TAPR Digital Voice Mailing List Archive (2002-2003)

TAPR Digital Voice Mailing List — 2002-03 through 2003-05

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TAPR Digital Voice Mailing List Archive (2002-2003)
TAPR Digital Voice Mailing List

This combined reading copy contains 74 messages from 9 preserved monthly TAPR archive files, covering 2002-03 through 2003-05.
The original monthly files are packaged separately in the accompanying ZIP archive. The source URL for each file appears below and at every monthly boundary.

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MONTHLY ARCHIVE: digi-voice.0203
MONTH: 2002-03
SOURCE: http://ftp.tapr.org/tapr_history/SIG_Archives/digi-voice/digi-voice.0203
==========

From bounce-digi-voice-27637@lists.tapr.org Sat Mar 2 11:58:49 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id LAA20800
for <lyris.digi-voice@tapr.org>; Sat, 2 Mar 2002 11:58:47 -0600 (CST)
Date: Sat, 2 Mar 2002 11:58:35 -0600
Message-Id: <LYR27637-66180-2002.03.02-12.30.33--lyris.digi-voice#tapr.org@lists.tapr.org>
X-Sender: kb9mwr@yahoo.com (Unverified)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: Steve Lampereur <kb9mwr@yahoo.com>
Subject: [digi-voice] New List
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <200203021758.g22HwZC31663@faulkner.netnet.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

I find it amazing how TAPR has time to create a whole new digtal voice web
section, yet they don't have time to maintain existing areas such as the
spread spectrum area. I suppose after the inital newness of this area wears
off, it too will fall by the wayside. Very sad indeed.

Anyway I do remember when I saw one of the first columns in QST intoducing a
HT capable of "digital voice". Using some ITU standard. I laughed because
Motorola's DVP/DES features have been around for a while now.. about time
something makes its way in the ham radio arena.

I know what you are probably saying DVP/DES is encryption and is illegal for
us to use. Read your rule book. There is Nothing saying we cannot use
encryption, your misconception comes from this line:

"An amateur station shall not intentionally obscure the meaning ..."

Also keep in mind:

Any digital code may be used as long as the technical characteristics are
publicly documented. To further this, if commercial products are available
that facilitate the transmission and reception of the communications
incorporating these codes they are considered to be "specified."

Even if commercial products were not publicly documented such as a homebrew
protocol it would be classified as an unspecified digital code which is also
permitted under 97.309(a)

Bottom line: Don't let the rules prevent you from experimenting.

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Sat Mar 2 14:56:00 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id OAA01054
for <lyris.digi-voice@tapr.org>; Sat, 2 Mar 2002 14:55:58 -0600 (CST)
From: "Steve Sampson" <k5okc@cox.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] RE: New List
Date: Sat, 2 Mar 2002 14:53:01 -0600
Message-ID: <LYR27637-66191-2002.03.02-15.27.42--lyris.digi-voice#tapr.org@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
X-MIMEOLE: Produced By Microsoft MimeOLE V5.50.4807.1700
Importance: Normal
In-Reply-To: <LYR27889-66180-2002.03.02-12.30.33--k5okc#cox.net@lists.tapr.org>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <NFBBJPBBKLOHKBOGNNFPGELPCBAA.k5okc@cox.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

> I suppose after the inital newness of this area wears
> off, it too will fall by the wayside. Very sad indeed.

Yours is the first posting to this group since its creation,
so only time will tell.

My own feelings about digital voice, is that a low bit
rate would be the ultimate goal. Something on the order
of 2400 to 4800, with 9600 being the max. One of the areas
I have been playing with, is an old Covox digitizer, and
a PC to do the compression. But nothing really compares
to the MBE vocoder by DVSI at 2400 bps in quality.

To my thinking, that product has all of the correct goals:
low bit rate, error correction, single chip design.

Something more than a CVSD or a sample clipper.

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To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Tue Mar 12 06:51:32 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id GAA03112
for <lyris.digi-voice@tapr.org>; Tue, 12 Mar 2002 06:51:31 -0600 (CST)
Date: Tue, 12 Mar 2002 6:51:24
Subject: [digi-voice] Volunteers for Vocoder Kit
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "Mark D. Miller" <markm@kramrellim.com>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sender: bounce-digi-voice-27637@lists.tapr.org
Message-Id: <LYR27637-68066-2002.03.12-07.23.44--lyris.digi-voice#tapr.org@lists.tapr.org>
Precedence: bulk

I understand that TAPR is soliciting beta testers for the Vocoder kit. I
would like to volunter. Where do I start?

Mark Miller
N5RFX

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To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Tue Mar 12 07:09:39 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id HAA03805
for <lyris.digi-voice@tapr.org>; Tue, 12 Mar 2002 07:09:38 -0600 (CST)
Message-ID: <LYR27637-68070-2002.03.12-07.41.47--lyris.digi-voice#tapr.org@lists.tapr.org>
Date: Tue, 12 Mar 2002 07:09:25 -0600
From: "David R. Andersen" <k0rx@RXcomm.net>
Organization: Research Communications
X-Accept-Language: en
MIME-Version: 1.0
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] Re: Volunteers for Vocoder Kit
References: <LYR28130-68066-2002.03.12-07.23.44--k0rx#RXcomm.net@lists.tapr.org>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <3C8DFE04.62D61C9C@RXcomm.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Me too.

Dave K0RX

"Mark D. Miller" wrote:

> I understand that TAPR is soliciting beta testers for the Vocoder kit. I
> would like to volunter. Where do I start?
>
> Mark Miller
> N5RFX
>
> ---
> You are currently subscribed to digi-voice as: k0rx@RXcomm.net
> To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

---
You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Tue Mar 12 09:22:44 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id JAA09347
for <lyris.digi-voice@tapr.org>; Tue, 12 Mar 2002 09:22:38 -0600 (CST)
X-Sent: 12 Mar 2002 15:21:46 GMT
Message-ID: <LYR27637-68082-2002.03.12-09.54.36--lyris.digi-voice#tapr.org@lists.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "David McGinnis" <n7mjw@yahoo.com>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
References: <LYR28130-68066-2002.03.12-07.23.44--k0rx#RXcomm.net@lists.tapr.org>
<LYR28185-68070-2002.03.12-07.41.47--n7mjw#yahoo.com@lists.tapr.org>
Subject: [digi-voice] Re: Volunteers for Vocoder Kit
Date: Tue, 12 Mar 2002 08:18:54 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
X-Message-Id: <003d01c1c9d9$9f80f740$a500a8c0@goofyhound>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Me three. I email the link on the web page and got no response.

Dave
N7MJW
----- Original Message -----
From: "David R. Andersen" <k0rx@RXcomm.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sent: Tuesday, March 12, 2002 6:09 AM
Subject: [digi-voice] Re: Volunteers for Vocoder Kit

> Me too.
>
> Dave K0RX
>
> "Mark D. Miller" wrote:
>
> > I understand that TAPR is soliciting beta testers for the Vocoder kit.
I
> > would like to volunter. Where do I start?
> >
> > Mark Miller
> > N5RFX
> >
> > ---
> > You are currently subscribed to digi-voice as: k0rx@RXcomm.net
> > To unsubscribe send a blank email to
leave-digi-voice-27637B@lists.tapr.org
>
>
> ---
> You are currently subscribed to digi-voice as: n7mjw@yahoo.com
> To unsubscribe send a blank email to
leave-digi-voice-27637B@lists.tapr.org
>

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Thu Mar 14 13:04:36 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id NAA19870
for <lyris.digi-voice@tapr.org>; Thu, 14 Mar 2002 13:04:36 -0600 (CST)
Date: Thu, 14 Mar 2002 13:04:23 -0600
Message-Id: <LYR27637-68477-2002.03.14-13.36.53--lyris.digi-voice#tapr.org@lists.tapr.org>
X-Sender: kb9mwr@yahoo.com (Unverified)
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: Steve Lampereur <kb9mwr@yahoo.com>
Subject: [digi-voice] Re: Volunteers for Vocoder Kit
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <200203141904.g2EJ4Na14259@faulkner.netnet.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

He is probably busy with his job, or moving... just wait untill the new
web admin. system is in place... Things might settle down around Easter.

>Me three. I email the link on the web page and got no response

>n7hpr@tapr.org.

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Sun Mar 17 20:29:26 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id UAA04280
for <lyris.digi-voice@tapr.org>; Sun, 17 Mar 2002 20:29:25 -0600 (CST)
From: "Steven Bible" <n7hpr@tapr.org>

To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] RE: Volunteers for Vocoder Kit
Date: Sun, 17 Mar 2002 19:29:12 -0700
Message-ID: <LYR27637-69303-2002.03.17-21.01.49--lyris.digi-voice#tapr.org@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Importance: Normal
In-Reply-To: <LYR27630-68066-2002.03.12-07.23.44--n7hpr#tapr.org@lists.tapr.org>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <DEEIIECOPELFOEIOFHLGIEFIEKAA.n7hpr@tapr.org>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Hello Mark and everyone,

Here's a brief update...

I'm turning over the project management of the VOCODER project to Brad Noblet WA8WDQ. As noted on this list (and others) I am overwelmed with projects. I made the mistake of taking on more that I can handle. With the loss of several key volunteers, there has been a lot of unfinished business to pick up. TAPR is always looking for volunteers to help the day to day operations and project development/management.

We have added several DSP programmers to the VOCODER project to work on a modem for Charles Brain's G4GUO VOCODER. As many of you know, Charles' VOCODER was orginally designed with the Motorola DSP56002EVM. Motorola discontinued the EVM some years ago. This stalled the VOCODER beta kit. There was a limited number of VOCODER beta kits made (I think the number was 14). Several where placed into the hands of beta testers over a year ago. Alas, without a modem, all many of them could do was conduct a simple loop back test.

With the recent request for help on the modem posted on the TAPR Digital Voice web page, several DSP programmers volunteered to help. At the moment, Brad is getting the VOCODER team organized. Hopefully soon we'll have some new hardware to test. Then a new beta will be developed.

If you are interested in the beta testing of the VOCODER let me suggest a couple of plans...

- If you have skills that can help today with the development of VOCODER Beta #2, please contact Brad at s.bradley.noblet@dartmouth.edu with your qualifications. As mentioned, there are only a few beta kits available. We want to get them into the hands of the DSP developers. Once we do we can develop new hardware and produce a second VOCODER kit.

- Once the DSP modem is developed and a new VOCODER beta kit developed, then we'll build more beta kits. We would love all those interested to join in on the beta program. This second beta kitting will be limited also. So we'll be putting out a call for beta testers (no time line yet folks).

If you have asked to help in the VOCODER beta, please contact Brad (s.bradley.noblet@dartmouth.edu). We are still trying to get organized, so please don't feel like we are ignoring you. We'll create a VOCODER web page to keep everyone up to date (any web masters out there?) and post to the digi-voice list progress.

- Steve, N7HPR
(n7hpr@tapr.org)

> -----Original Message-----
> From: bounce-digi-voice-27630@lists.tapr.org
> [mailto:bounce-digi-voice-27630@lists.tapr.org]On Behalf Of Mark D.
> Miller
> Sent: Tuesday, March 12, 2002 6:51 AM

> To: TAPR Digital Voice Mailing List
> Subject: [digi-voice] Volunteers for Vocoder Kit
>
>
> I understand that TAPR is soliciting beta testers for the Vocoder kit. I
> would like to volunter. Where do I start?
>
> Mark Miller
> N5RFX
>
> ---
> You are currently subscribed to digi-voice as: n7hpr@tapr.org
> To unsubscribe send a blank email to
> leave-digi-voice-27637B@lists.tapr.org
>

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Sun Mar 17 21:53:58 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id VAA08662
for <lyris.digi-voice@tapr.org>; Sun, 17 Mar 2002 21:53:52 -0600 (CST)
From: "Steven Bible" <n7hpr@tapr.org>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] (resend) Volunteers for Vocoder Beta Kit
Date: Sun, 17 Mar 2002 20:53:35 -0700
Message-ID: <LYR27637-69315-2002.03.17-22.26.11--lyris.digi-voice#tapr.org@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Importance: Normal
In-Reply-To: <LYR27630-68066-2002.03.12-07.23.44--n7hpr#tapr.org@lists.tapr.org>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <DEEIIECOPELFOEIOFHLGIEFKEKAA.n7hpr@tapr.org>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Please excuse the repost if this message made it to the list the first time.
I did not see the message echoed back to me.

- Steve

- - - - - -

Hello Mark and everyone,

Here's a brief update...

I'm turning over the project management of the VOCODER project to Brad
Noblet WA8WDQ. As noted on this list (and others) I am overwelmed with
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- Steve, N7HPR
(n7hpr@tapr.org)

> -----Original Message-----
> From: bounce-digi-voice-27630@lists.tapr.org
> [mailto:bounce-digi-voice-27630@lists.tapr.org]On Behalf Of Mark D.
> Miller
> Sent: Tuesday, March 12, 2002 6:51 AM
> To: TAPR Digital Voice Mailing List
> Subject: [digi-voice] Volunteers for Vocoder Kit
>
>
> I understand that TAPR is soliciting beta testers for the Vocoder kit. I
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>
> Mark Miller
> N5RFX
>
> ---
> You are currently subscribed to digi-voice as: n7hpr@tapr.org
> To unsubscribe send a blank email to
> leave-digi-voice-27637B@lists.tapr.org
>

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Mon Mar 18 00:59:09 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id AAA21157
for <lyris.digi-voice@tapr.org>; Mon, 18 Mar 2002 00:59:06 -0600 (CST)
Date: Sun, 17 Mar 2002 22:58:23 -0800
From: Matt Ettus <matt@ettus.com>
Message-Id: <LYR27637-69351-2002.03.18-01.31.22--lyris.digi-voice#tapr.org@lists.tapr.org>
X-Authentication-Warning: localhost.localdomain: apache set sender to matt using -f
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] Re: (resend) Volunteers for Vocoder Beta Kit
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <200203180658.g2I6wNx04607@ettus.com>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

>- If you have skills that can help today with the development of VOCODER
>Beta #2, please contact Brad at s.bradley.noblet@dartmouth.edu with your
>qualifications. As mentioned, there are only a few beta kits available. We
>want to get them into the hands of the DSP developers. Once we do we can

>develop new hardware and produce a second VOCODER kit.

I'm interested in helping, but only if the modem is soundcard-based. External DSP
boards will do nothing but keep more people from adopting the mode.

Matt

P.S. For those who will give the standard knee-jerk response of PCs not being fast
enough, keep in mind that I am doing SDR at 44 Megasamples per second, 12 bits per
sample, on an ordinary PC which you can get for around $500. Anything fitting in a
voice bandwidth on HF could be programmed in BASIC or LOGO and still be fast enough.

Matt

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Mon Mar 18 06:28:37 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id GAA14057
for <lyris.digi-voice@tapr.org>; Mon, 18 Mar 2002 06:28:34 -0600 (CST)
From: "Steve Sampson" <k5okc@cox.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] Re: (resend) Volunteers for Vocoder Beta Kit
Date: Mon, 18 Mar 2002 06:28:37 -0600
Message-ID: <LYR27637-69366-2002.03.18-07.01.01--lyris.digi-voice#tapr.org@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
In-reply-to: <LYR27889-69351-2002.03.18-01.31.22--k5okc#cox.net@lists.tapr.org>
Importance: Normal
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <NFBBJPBBKLOHKBOGNNFPOEABCCAA.k5okc@cox.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

I guess that depends on how you are going to use it
in the end. Charles original design used a DVSI
vocoder chip, and an A/D - D/A. This made for a very
nice size board.

I can't believe that a DSP board would be cheaper than
the DVSI chip, but I haven't priced the chips in
quantity.

A Home PC based vocoder would be alright for fixed or
portable, but not for mobile. Maybe if you could find
a 3" x 5" PC and sound card combo board with enough
horsepower to replace the DSP A/D - D/A board at less
cost. These DSP boards are usually sold cheap to
attract engineers, but SBC's are usually sold at what
the market can bear (i.e., three times the home PC).

-----Original Message-----

I'm interested in helping, but only if the modem is soundcard-based.
External DSP
boards will do nothing but keep more people from adopting the mode.

Matt

P.S. For those who will give the standard knee-jerk response of PCs not
being fast
enough, keep in mind that I am doing SDR at 44 Megasamples per second, 12
bits per
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voice bandwidth on HF could be programmed in BASIC or LOGO and still be fast
enough.

Matt

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Wed Mar 20 20:37:30 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id UAA04138
for <lyris.digi-voice@tapr.org>; Wed, 20 Mar 2002 20:37:28 -0600 (CST)
Message-ID: <LYR27637-69946-2002.03.20-21.10.02--lyris.digi-voice#tapr.org@lists.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "John Stephensen" <kd6ozh@gte.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
References: <LYR27842-69366-2002.03.18-07.01.01--kd6ozh#amsat.org@lists.tapr.org>
Subject: [digi-voice] Re: (resend) Volunteers for Vocoder Beta Kit
Date: Wed, 20 Mar 2002 20:42:52 -0000
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
X-Message-Id: <01ba01c1d04f$d0596d80$7f7be341@xxx>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

DVSI protects their algorithm by embedding it in ROM in a TI DSP chip. The
modem may as well be in another chip if external hardware is already
required.

73,

John
KD6OZH

----- Original Message -----
From: "Steve Sampson" <k5okc@cox.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sent: Monday, 18 March 2002 12:28 UTC
Subject: [digi-voice] Re: (resend) Volunteers for Vocoder Beta Kit

> I guess that depends on how you are going to use it
> in the end. Charles original design used a DVSI
> vocoder chip, and an A/D - D/A. This made for a very
> nice size board.
>
> I can't believe that a DSP board would be cheaper than
> the DVSI chip, but I haven't priced the chips in
> quantity.
>
> A Home PC based vocoder would be alright for fixed or
> portable, but not for mobile. Maybe if you could find
> a 3" x 5" PC and sound card combo board with enough
> horsepower to replace the DSP A/D - D/A board at less
> cost. These DSP boards are usually sold cheap to
> attract engineers, but SBC's are usually sold at what
> the market can bear (i.e., three times the home PC).
>
> -----Original Message-----
>
> I'm interested in helping, but only if the modem is soundcard-based.
> External DSP
> boards will do nothing but keep more people from adopting the mode.
>
> Matt

>
> P.S. For those who will give the standard knee-jerk response of PCs not
> being fast
> enough, keep in mind that I am doing SDR at 44 Megasamples per second, 12
> bits per
> sample, on an ordinary PC which you can get for around $500. Anything
> fitting in a
> voice bandwidth on HF could be programmed in BASIC or LOGO and still be
fast
> enough.
>
> Matt
>
>
> ---
> You are currently subscribed to digi-voice as: kd6ozh@amsat.org
> To unsubscribe send a blank email to
leave-digi-voice-27637B@lists.tapr.org
>
>

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Wed Mar 20 21:23:51 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id VAA06252
for <lyris.digi-voice@tapr.org>; Wed, 20 Mar 2002 21:23:45 -0600 (CST)
Date: Wed, 20 Mar 2002 19:23:13 -0800
From: Matt Ettus <matt@ettus.com>
Message-Id: <LYR27637-69950-2002.03.20-21.56.20--lyris.digi-voice#tapr.org@lists.tapr.org>
X-Authentication-Warning: localhost.localdomain: apache set sender to matt using -f
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] Re: (resend) Volunteers for Vocoder Beta Kit
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <200203210323.g2L3NDb32420@ettus.com>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Yes, DVSI protects their algorithm, so anything using their codec requires their
chip. But the modem part could be done in software on a PC. Its the easiest
development platform, and can be ported to a DSP if necessary for mobile operation.
By the time the modem design is done, newer, cheaper DSPs will be available.

DVSIs codec does sound great, but what happens when they go under, or no longer sell
the chip? What happens when they decide to only make chips in a .3 mm BGA package
which nobody can fabricate without X-Ray equipment? Remember what happened to the
TAPR SS Radio (Multiple times) ??

What would have happened if every SSB radio required a patented black-box part from
Collins? Would SSB have become a standard? What would have happened when Collins
left the business? If this is designed to replace SSB, then freely available
implementations are important.

Matt

---- Original Message ----
From:
John Stephensen
Date:
Wed 3/20/02 18:38
To:
TAPR Digital Voice Mailing List
Subject:
[digi-voice] Re: (resend) Volunteers for Vocoder Beta Kit

DVSI protects their algorithm by embedding it in ROM in a TI DSP chip. The
modem may as well be in another chip if external hardware is already
required.

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Wed Mar 20 22:41:39 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id WAA08967
for <lyris.digi-voice@tapr.org>; Wed, 20 Mar 2002 22:41:35 -0600 (CST)
From: "Steve Sampson" <k5okc@cox.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] Re: (resend) Volunteers for Vocoder Beta Kit
Date: Wed, 20 Mar 2002 22:41:24 -0600
Message-ID: <LYR27637-69960-2002.03.20-23.14.10--lyris.digi-voice#tapr.org@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Importance: Normal
In-Reply-To: <LYR27889-69950-2002.03.20-21.56.20--k5okc#cox.net@lists.tapr.org>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <NFBBJPBBKLOHKBOGNNFPAEANCCAA.k5okc@cox.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

DVSI's chips may be around longer than the 74LS00 Chip.
That's also a possibility.

One of the problems in using a vocoder, is that you
need the infrastructure to process the output. I don't
think there are many digital repeaters available that I am
aware of.

TAPR still is accepting orders it seems, for their 9600
modem and bit regenerator, although I don't think that
chip is produced anymore (FIFO).

Anyway, that would be the highest speed I would find
acceptable for radio, with a preference for even lower
speeds of 4800 and 2400.

So, is there any reference literature for a practical
2400 bps vocoder with radio quality voice, using a home
PC? I know the Speak Freely 2400 vocoder is very poor.

-----Original Message-----

DVSIs codec does sound great, but what happens when they go under, or no longer sell
the chip?

Matt

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Fri Mar 22 22:22:06 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id WAA02097
for <lyris.digi-voice@tapr.org>; Fri, 22 Mar 2002 22:22:05 -0600 (CST)
Message-ID: <LYR27637-70290-2002.03.22-22.54.43--lyris.digi-voice#tapr.org@lists.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "John Stephensen" <kd6ozh@gte.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
References: <LYR27842-69950-2002.03.20-21.56.20--kd6ozh#amsat.org@lists.tapr.org>
Subject: [digi-voice] Re: (resend) Volunteers for Vocoder Beta Kit
Date: Sat, 23 Mar 2002 04:17:36 -0000
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"

Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
X-Message-Id: <009301c1d222$02c572e0$657be341@xxx>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

I would guess that design, implementation and testing of a voice codec is an order of magnitude harder than implementing a data modem. I haven't followed the development of the SS radio very closely, but I suspect that it would have been easier to use a commercially available chipset marketed for wireless LANs.

I don't expect digital voice to replace SSB. Its advantage is an improved perceived signal to noise ratio so it could replace NBFM and AM by providing the hi-fidelity service that these operators are looking for with less power or over longer distances.

73,

John
KD6OZH

----- Original Message -----
From: "Matt Ettus" <matt@ettus.com>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sent: Thursday, 21 March 2002 03:23 UTC
Subject: [digi-voice] Re: (resend) Volunteers for Vocoder Beta Kit

> Yes, DVSI protects their algorithm, so anything using their codec requires their
> chip. But the modem part could be done in software on a PC. Its the easiest
> development platform, and can be ported to a DSP if necessary for mobile operation.
> By the time the modem design is done, newer, cheaper DSPs will be available.
>
> DVSIs codec does sound great, but what happens when they go under, or no longer sell
> the chip? What happens when they decide to only make chips in a .3 mm BGA package
> which nobody can fabricate without X-Ray equipment? Remember what happened to the
> TAPR SS Radio (Multiple times) ??
>
> What would have happened if every SSB radio required a patented black-box part from
> Collins? Would SSB have become a standard? What would have happened when Collins
> left the business? If this is designed to replace SSB, then freely available
> implementations are important.
>
> Matt
>
> ---- Original Message ----
> From:
> John Stephensen
> Date:
> Wed 3/20/02 18:38
> To:
> TAPR Digital Voice Mailing List
> Subject:
> [digi-voice] Re: (resend) Volunteers for Vocoder Beta Kit
>
> DVSI protects their algorithm by embedding it in ROM in a TI DSP chip. The
> modem may as well be in another chip if external hardware is already
> required.
>

>
> ---
> You are currently subscribed to digi-voice as: kd6ozh@amsat.org
> To unsubscribe send a blank email to
leave-digi-voice-27637B@lists.tapr.org
>
>

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Fri Mar 22 22:36:22 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id WAA02532
for <lyris.digi-voice@tapr.org>; Fri, 22 Mar 2002 22:36:14 -0600 (CST)
Message-ID: <LYR27637-70299-2002.03.22-23.08.41--lyris.digi-voice#tapr.org@lists.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "John Stephensen" <kd6ozh@gte.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
References: <LYR27842-69960-2002.03.20-23.14.10--kd6ozh#amsat.org@lists.tapr.org>
Subject: [digi-voice] Re: (resend) Volunteers for Vocoder Beta Kit
Date: Sat, 23 Mar 2002 04:33:53 -0000
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V5.50.4133.2400
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
X-Message-Id: <00a501c1d223$f0988420$657be341@xxx>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Packet radio works through existing repeaters so I don't see any problem
with digital voice. An MFSK modem with a 15kHz bandwidth should work with
any existing repeater. Digital voice alone might not be that popular, but if
it was combined with a digital form of SSTV that allowed simultaneous voice
and picture transmission the average ham might become interested.

73,

John
KD6OZH

----- Original Message -----
From: "Steve Sampson" <k5okc@cox.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sent: Thursday, 21 March 2002 04:41 UTC
Subject: [digi-voice] Re: (resend) Volunteers for Vocoder Beta Kit

> DVSI's chips may be around longer than the 74LS00 Chip.
> That's also a possibility.
>
> One of the problems in using a vocoder, is that you
> need the infrastructure to process the output. I don't
> think there are many digital repeaters available that I am
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>
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> acceptable for radio, with a preference for even lower
> speeds of 4800 and 2400.
>
> So, is there any reference literature for a practical
> 2400 bps vocoder with radio quality voice, using a home
> PC? I know the Speak Freely 2400 vocoder is very poor.
>

> -----Original Message-----
>
> DVSIs codec does sound great, but what happens when they go under, or no
longer sell
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> Matt
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>
> ---
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> To unsubscribe send a blank email to
leave-digi-voice-27637B@lists.tapr.org
>
>

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Sat Mar 23 05:13:43 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id FAA01956
for <lyris.digi-voice@tapr.org>; Sat, 23 Mar 2002 05:13:40 -0600 (CST)
From: "Steve Sampson" <k5okc@cox.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] Re: (resend) Volunteers for Vocoder Beta Kit
Date: Sat, 23 Mar 2002 05:13:17 -0600
Message-ID: <LYR27637-70331-2002.03.23-05.46.05--lyris.digi-voice#tapr.org@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
In-Reply-To: <LYR27889-70299-2002.03.22-23.08.41--k5okc#cox.net@lists.tapr.org>
Importance: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <NFBBJPBBKLOHKBOGNNFPMEBECCAA.k5okc@cox.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Exactly, I was thinking in combination with a new form
of APRS (binary rather than text mode) where the callsign,
and GPS position could be sent interleaved with the voice.
This data being displayed in a two-line LCD panel.

-----Original Message-----

Packet radio works through existing repeaters so I don't see any problem
with digital voice. An MFSK modem with a 15kHz bandwidth should work with
any existing repeater. Digital voice alone might not be that popular, but if
it was combined with a digital form of SSTV that allowed simultaneous voice
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73,

John
KD6OZH

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

==
MONTHLY ARCHIVE: digi-voice.0204
MONTH: 2002-04
SOURCE: http://ftp.tapr.org/tapr_history/SIG_Archives/digi-voice/digi-voice.0204
==

From bounce-digi-voice-27637@lists.tapr.org Sun Apr 21 01:18:19 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id BAA16002
for <lyris.digi-voice@tapr.org>; Sun, 21 Apr 2002 01:18:13 -0500 (CDT)
Date: Sun, 21 Apr 2002 1:17:48
Subject: [digi-voice] Digital voice (just joined the list)
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "Tony Langdon" <vk3jed@optushome.com.au>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sender: bounce-digi-voice-27637@lists.tapr.org
Message-Id: <LYR27637-75541-2002.04.21-01.52.05--lyris.digi-voice#tapr.org@lists.tapr.org>
Precedence: bulk

Hi,

Just joined the list after following a few leads from Doug, KF6DX. I've
been interested in digital voice for some time, particularly on the HF
bands. I've been following some of the developments, like the system
designed by G4GUO with interest.

A little bit of background. I'm in Melbourne, Australia, and heavily
involved in IRLP down here, having initiated the first IRLP node in
Melbourne, and now running a separate experimental system.

IRLP works fine, but it has one major limitation - which is that it relies
on VHF and UHF repeaters, which don't work well in vast areas of VK,
because of the distances involved. Out there, HF rules. However, HF SSB
also has a few limitations. SSB is noisy, which can be irritating for long
periods (especially if there are non hams in the car :)), and it also
normally lacks a reliable method of detection of a valid signal, which
makes linking to other media such as 2m FM more problematic.

Why link HF at all? My reasoning is the use of "regional area" frequencies
such as 3.5, 7 and 10 MHz, linked over a few hundred (or more) km into the
global Internet linked networks could be a reliable alternative to direct
HF contacts (nice to have a choice). In addition, I feel it's a more "ham
radio" oriented way of bringing people into these networks than the current
(and contentious!) practice some systems (e.g. iLINK, eQSO) use of allowing
direct access to the system from the Internet. Also makes use of the
bands, and is more useful to mobile stations.

I'm hoping that digital HF can be used to make HF more "link friendly",
through better audio quality and reliable detection of the presence of a
valid signal (as well as minimising the "non ham annoyance factor"! :)).
In time, it would be nice to see the digital link able to be carried in
digital form right through networks such as IRLP (or its descendents).
This may well require the use of fully open codecs so nodes connected to an
analogue device can do the conversion internally in software as they
currently do. Any development of open codecs will also assist the Internet
linking technologies by reducing the bandwidth they require.

Anyway, enough of my rambling. I don't know if the list is active much.
I've only seen 3 messages in the archives.

de Tony, VK3JED.

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

==
MONTHLY ARCHIVE: digi-voice.0207
MONTH: 2002-07
SOURCE: http://ftp.tapr.org/tapr_history/SIG_Archives/digi-voice/digi-voice.0207
==

From bounce-digi-voice-27637@lists.tapr.org Sat Jul 6 12:31:50 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id MAA16131
for <lyris.digi-voice@tapr.org>; Sat, 6 Jul 2002 12:31:47 -0500 (CDT)
Date: Sat, 6 Jul 2002 12:31:37
Subject: [digi-voice] hello is this thing on?

To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "Jason Reighard" <kb8sfc@1st.net>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sender: bounce-digi-voice-27637@lists.tapr.org
Message-Id: <LYR27637-88297-2002.07.06-13.09.34--lyris.digi-voice#tapr.org@lists.tapr.org>
Precedence: bulk

hello is this thing on?

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Sat Jul 6 13:38:06 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id NAA18609
for <lyris.digi-voice@tapr.org>; Sat, 6 Jul 2002 13:38:02 -0500 (CDT)
Message-ID: <LYR27637-88299-2002.07.06-14.15.52--lyris.digi-voice#tapr.org@lists.tapr.org>
Date: Sat, 06 Jul 2002 14:38:39 -0400
From: Glenn Laser <glaser@erols.com>
User-Agent: Mozilla/5.0 (Windows; U; Win98; en-US; rv:0.9.4.1) Gecko/20020508 Netscape6/6.2.3
X-Accept-Language: en-us
MIME-Version: 1.0
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] Re: hello is this thing on?
References: <LYR29136-88297-2002.07.06-13.09.34--glaser#erols.com@lists.tapr.org>
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <3D27392F.3060301@erols.com>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Hi Jason:
I guess it is and I have been on the list for about 6 weeks. You are
the first message I have received.
73 Glenn W3WTE

Jason Reighard wrote:

> hello is this thing on?
>
> ---
> You are currently subscribed to digi-voice as: glaser@erols.com
> To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org
>
>
>

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Sat Jul 6 22:45:52 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id WAA13242
for <lyris.digi-voice@tapr.org>; Sat, 6 Jul 2002 22:45:49 -0500 (CDT)
Message-Id: <LYR27637-88371-2002.07.06-23.23.28--lyris.digi-voice#tapr.org@lists.tapr.org>
X-Sender: vk3jed@202.12.87.169
Date: Sun, 07 Jul 2002 13:45:20 +1000
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "Tony Langdon, VK3JED" <vk3jed@optushome.com.au>
Subject: [digi-voice] Re: hello is this thing on?
In-Reply-To: <LYR28892-88299-2002.07.06-14.15.52--vk3jed#optushome.com.a
u@lists.tapr.org>
References: <LYR29136-88297-2002.07.06-13.09.34--glaser#erols.com@lists.tapr.org>

Mime-Version: 1.0
Content-Type: multipart/mixed; x-avg-checked=avg-ok-41C863AD; boundary="=======6EADE2======="
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <5.1.0.14.0.20020707134427.02dd4ec0@202.12.87.169>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

--=======6EADE2=======
Content-Type: text/plain; x-avg-checked=avg-ok-41C863AD; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 8bit

At 02:38 PM 6/07/2002 -0400, you wrote:

>Hi Jason:
>I guess it is and I have been on the list for about 6 weeks. You are the
>first message I have received.
>73 Glenn W3WTE

It has been quiet. :-(

No one working on digital voice at all these days? :)

Seriously, I do know there is work going on, but it never seems to get
discussed in here.

73 de Tony, VK3JED
http://vk3jed.vk.irlp.net

--=======6EADE2=======--

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Sun Jul 7 01:29:43 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id BAA21038
for <lyris.digi-voice@tapr.org>; Sun, 7 Jul 2002 01:29:40 -0500 (CDT)
Message-ID: <LYR27637-88392-2002.07.07-02.07.25--lyris.digi-voice#tapr.org@lists.tapr.org>
Date: Sat, 6 Jul 2002 23:29:23 -0700 (PDT)
From: Michael Buyanin <dsp4us@yahoo.com>
Subject: [digi-voice] Re: hello is this thing on?
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
In-Reply-To: <LYR29178-88371-2002.07.06-23.23.28--dsp4us#yahoo.com@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <20020707062923.93565.qmail@web12603.mail.yahoo.com>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

There are some discussions going on
vocoder@lists.tapr.org and hfsig@lists.tapr.org list.
Not very active though.

Michael.
K6DSP

--- "Tony Langdon, VK3JED" <vk3jed@optushome.com.au>
wrote:
> At 02:38 PM 6/07/2002 -0400, you wrote:
>
> >Hi Jason:
> >I guess it is and I have been on the list for about
> 6 weeks. You are the
> >first message I have received.

> >73 Glenn W3WTE
>
> It has been quiet. :-(
>
> No one working on digital voice at all these days?
> :)
>
> Seriously, I do know there is work going on, but it
> never seems to get
> discussed in here.
>
> 73 de Tony, VK3JED
> http://vk3jed.vk.irlp.net
>

_____
Do You Yahoo!?
Sign up for SBC Yahoo! Dial - First Month Free
http://sbc.yahoo.com

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Sun Jul 7 10:54:07 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id KAA20321
for <lyris.digi-voice@tapr.org>; Sun, 7 Jul 2002 10:54:01 -0500 (CDT)
Message-ID: <LYR27637-88427-2002.07.07-11.31.51--lyris.digi-voice#tapr.org@lists.tapr.org>
Date: Sun, 7 Jul 2002 08:53:53 -0700 (PDT)
From: David McGinnis <n7mjw@yahoo.com>
Subject: [digi-voice] Re: hello is this thing on?
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
In-Reply-To: <LYR28185-88392-2002.07.07-02.07.25--n7mjw#yahoo.com@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <20020707155353.86083.qmail@web11406.mail.yahoo.com>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Seems to me, based on the last stuff I heard, was
digital voice was pretty much doomed between
components having such as short period of availablity,
and no consensus as to what format vocoder to use.

Thats pretty lame.

Dave

--- Michael Buyanin <dsp4us@yahoo.com> wrote:
> There are some discussions going on
> vocoder@lists.tapr.org and hfsig@lists.tapr.org
> list.
> Not very active though.
>
> Michael.
> K6DSP
>
>
>
> --- "Tony Langdon, VK3JED" <vk3jed@optushome.com.au>
> wrote:
> > At 02:38 PM 6/07/2002 -0400, you wrote:
> >
> > >Hi Jason:
> > >I guess it is and I have been on the list for
> about
> > 6 weeks. You are the
> > >first message I have received.
> > >73 Glenn W3WTE

> >
> > It has been quiet. :-(
> >
> > No one working on digital voice at all these days?
> > :)
> >
> > Seriously, I do know there is work going on, but
> it
> > never seems to get
> > discussed in here.
> >
> > 73 de Tony, VK3JED
> > http://vk3jed.vk.irlp.net
> >
>
>
> _____
> Do You Yahoo!?
> Sign up for SBC Yahoo! Dial - First Month Free
> http://sbc.yahoo.com
>
> ---
> You are currently subscribed to digi-voice as:
> n7mjw@yahoo.com
> To unsubscribe send a blank email to
> leave-digi-voice-27637B@lists.tapr.org
>

_____
Do You Yahoo!?
Sign up for SBC Yahoo! Dial - First Month Free
http://sbc.yahoo.com

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Mon Jul 8 11:36:25 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id LAA02421
for <lyris.digi-voice@tapr.org>; Mon, 8 Jul 2002 11:36:23 -0500 (CDT)
Date: Mon, 8 Jul 2002 12:37:13 -0400
Message-Id: <LYR27637-88555-2002.07.08-12.14.12--lyris.digi-voice#tapr.org@lists.tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
From: "Jason Reighard KB8SFC" <kb8sfc@1st.net>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] Re: digi-voice digest: July 07, 2002
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
X-Message-Id: <200207081237.AA1738998374@1st.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

---------- Original Message ----------
From: "TAPR Digital Voice Mailing List digest" <digi-voice@lists.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Date: Mon, 08 Jul 2002 00:00:07 -0500

>TAPR Digital Voice Mailing List Digest for Sunday, July 07, 2002.
>
>1. Re: hello is this thing on?
>2. Re: hello is this thing on?
>
>----------
>
>Subject: Re: hello is this thing on?
>From: Michael Buyanin <dsp4us@yahoo.com>
>Date: Sat, 6 Jul 2002 23:29:23 -0700 (PDT)
>X-Message-Number: 1
>

>There are some discussions going on
>vocoder@lists.tapr.org and hfsig@lists.tapr.org list.
>Not very active though.
>
>Michael.
>K6DSP

can't seem to find a vocoder list. Is it a private list?

_____
Sent via the WebMail system at 1st.net

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Mon Jul 8 12:30:42 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id MAA04962
for <lyris.digi-voice@tapr.org>; Mon, 8 Jul 2002 12:30:35 -0500 (CDT)
Message-ID: <LYR27637-88563-2002.07.08-13.08.29--lyris.digi-voice#tapr.org@lists.tapr.org>
From: "Steve Sampson" <k5okc@cox.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
References: <LYR27889-88555-2002.07.08-12.14.12--k5okc#cox.net@lists.tapr.org>
Subject: [digi-voice] Re: digital voice
Date: Mon, 8 Jul 2002 12:28:30 -0500
Organization: My Home Computer
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <003501c226a4$e0fc0520$0a01a8c0@wireless.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Take a look at:

http://www.temple.edu/k3tu/design.htm

Dennis Silage, K3DS, has the most interesting project
to follow along with. Really a quality brew going on there.

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Mon Jul 8 23:15:41 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id XAA14044
for <lyris.digi-voice@tapr.org>; Mon, 8 Jul 2002 23:15:34 -0500 (CDT)
Message-ID: <LYR27637-88616-2002.07.08-23.53.29--lyris.digi-voice#tapr.org@lists.tapr.org>
Date: Mon, 8 Jul 2002 21:15:27 -0700 (PDT)
From: Michael Buyanin <dsp4us@yahoo.com>
Subject: [digi-voice] Re: digi-voice digest: July 07, 2002
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
In-Reply-To: <LYR29178-88555-2002.07.08-12.14.12--dsp4us#yahoo.com@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <20020709041527.89648.qmail@web12607.mail.yahoo.com>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

>
> can't seem to find a vocoder list. Is it a private
> list?
>

Apparently it is.

To continue digital voice subject:
I have been working on simple TMS320C54XX board with
TLV320AIC23 codec (should be under $100) + HVXC
vocoder + HF modem solution.

Michael
K6DSP

_____
Do You Yahoo!?
Sign up for SBC Yahoo! Dial - First Month Free
http://sbc.yahoo.com

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Mon Jul 8 23:34:28 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id XAA15068
for <lyris.digi-voice@tapr.org>; Mon, 8 Jul 2002 23:34:24 -0500 (CDT)
Date: Tue, 9 Jul 2002 00:35:20 -0400
Message-Id: <LYR27637-88624-2002.07.09-00.12.17--lyris.digi-voice#tapr.org@lists.tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
From: "Jason Reighard KB8SFC" <kb8sfc@1st.net>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] Re: digi-voice digest: July 07, 2002
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
X-Message-Id: <200207090035.AA1716847150@1st.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

I've been looking at the Alinco mobiles and handhelds with the digital voice option. any one try thease yet?

---------- Original Message ----------
From: Michael Buyanin <dsp4us@yahoo.com>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Date: Mon, 8 Jul 2002 21:15:27 -0700 (PDT)

>>
>> can't seem to find a vocoder list. Is it a private
>> list?
>>
>
>Apparently it is.
>
>To continue digital voice subject:
>I have been working on simple TMS320C54XX board with
>TLV320AIC23 codec (should be under $100) + HVXC
>vocoder + HF modem solution.
>
>Michael
>K6DSP
>
>
>_____
>Do You Yahoo!?
>Sign up for SBC Yahoo! Dial - First Month Free
>http://sbc.yahoo.com
>
>---
>You are currently subscribed to digi-voice as: kb8sfc@1st.net
>To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org
>

>

_____
Sent via the WebMail system at 1st.net

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Tue Jul 9 00:33:09 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id AAA18484
for <lyris.digi-voice@tapr.org>; Tue, 9 Jul 2002 00:33:07 -0500 (CDT)
From: "Steven Bible" <n7hpr@tapr.org>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] Re: hello is this thing on?
Date: Mon, 8 Jul 2002 21:30:36 -0700
Message-ID: <LYR27637-88633-2002.07.09-01.10.57--lyris.digi-voice#tapr.org@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Importance: Normal
In-Reply-To: <LYR27630-88371-2002.07.06-23.23.28--n7hpr#tapr.org@lists.tapr.org>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <DEEIIECOPELFOEIOFHLGAEMKEOAA.n7hpr@tapr.org>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Everyone,

Yes, there is work being done. There was a lot of digital voice activity at
Dayton this year. Take a look at the TAPR Digital Voice web page at

http://www.tapr.org/tapr/dv/index.html

I've asked ICOM to give a demonstration of D-STAR at the DCC in September.
Also in Denver there is an amateur group that has put up an APCO-25
repeater. I have asked them to demostrate it at the DCC also. There
appears to be more that will be talked about, presented at the DCC.

For info on the DCC see

http://www.tapr.org/tapr/dcc/

- Steve, N7HPR
(n7hpr@tapr.org)

> -----Original Message-----
> From: bounce-digi-voice-27630@lists.tapr.org
> [mailto:bounce-digi-voice-27630@lists.tapr.org]On Behalf Of Tony
> Langdon, VK3JED
> Sent: Saturday, July 06, 2002 8:45 PM
> To: TAPR Digital Voice Mailing List
> Subject: [digi-voice] Re: hello is this thing on?
>
>
> At 02:38 PM 6/07/2002 -0400, you wrote:
>
> >Hi Jason:
> >I guess it is and I have been on the list for about 6 weeks. You are the
> >first message I have received.
> >73 Glenn W3WTE
>
> It has been quiet. :-(
>
> No one working on digital voice at all these days? :)
>

> Seriously, I do know there is work going on, but it never seems to get
> discussed in here.
>
> 73 de Tony, VK3JED
> http://vk3jed.vk.irlp.net
>

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Tue Jul 9 16:03:33 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id QAA06700
for <lyris.digi-voice@tapr.org>; Tue, 9 Jul 2002 16:03:29 -0500 (CDT)
From: Elmosen@aol.com
Message-ID: <LYR27637-88684-2002.07.09-16.41.25--lyris.digi-voice#tapr.org@lists.tapr.org>
Date: Tue, 9 Jul 2002 17:03:14 EDT
Subject: [digi-voice] Re: digi-voice digest: July 08, 2002
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <1bb.2ef2f1b.2a5ca992@aol.com>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Hello ,

Some time ago I ordered some codec chips. They never did arrive any word on
delivery ?

Thanks,

SEN

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Tue Jul 9 16:52:29 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id QAA09087
for <lyris.digi-voice@tapr.org>; Tue, 9 Jul 2002 16:52:27 -0500 (CDT)
Message-ID: <LYR27637-88693-2002.07.09-17.30.22--lyris.digi-voice#tapr.org@lists.tapr.org>
From: "Steve Sampson" <k5okc@cox.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
References: <LYR27889-88684-2002.07.09-16.41.25--k5okc#cox.net@lists.tapr.org>
Subject: [digi-voice] Re: digi-voice digest: July 08, 2002
Date: Tue, 9 Jul 2002 16:49:53 -0500
Organization: My Home Computer
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <006901c22792$8f9350a0$0a01a8c0@wireless.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

>From TAPR? Didn't know they were selling chips.

----- Original Message -----
From: <Elmosen@aol.com>

> Hello ,
>
> Some time ago I ordered some codec chips. They never did arrive any word
on
> delivery ?

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Sun Jul 21 11:00:45 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id LAA29231
for <lyris.digi-voice@tapr.org>; Sun, 21 Jul 2002 11:00:43 -0500 (CDT)
Message-ID: <LYR27637-90429-2002.07.21-11.39.07--lyris.digi-voice#tapr.org@lists.tapr.org>
Date: Sun, 21 Jul 2002 11:55:21 -0400
From: "Thomas Staley Jr." <n8lbt@arrl.net>
X-Accept-Language: en
MIME-Version: 1.0
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] 56L811 Help
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <3D3AD969.9538C69A@arrl.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Hello all,

I am looking for some (any) example code for the Motorola 56L811. Maybe something that sets up the CoDAC,
reads in a waveform and spits it back out again. Something to get my feet wet. May finial goal is a low pass
audio filter then some I/Q stuff.

Thank You,
Tom

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

==
MONTHLY ARCHIVE: digi-voice.0209
MONTH: 2002-09
SOURCE: http://ftp.tapr.org/tapr_history/SIG_Archives/digi-voice/digi-voice.0209
==

From bounce-digi-voice-27637@lists.tapr.org Thu Sep 19 10:06:56 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id KAA18533
for <lyris.digi-voice@tapr.org>; Thu, 19 Sep 2002 10:06:52 -0500 (CDT)
From: "Steve Stroh" <lists@strohpub.com>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] Platforms for TAPR HF modem development
Date: Thu, 19 Sep 2002 08:06:18 -0700
Message-ID: <LYR27637-99500-2002.09.19-10.48.02--lyris.digi-voice#tapr.org@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
Importance: Normal
In-Reply-To: <LYR29611-90429-2002.07.21-11.39.07--lists#strohpub.com@lists.tapr.org>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>

X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <NGEHKDLPBJBLOGFGGPEFGENOKCAA.lists@strohpub.com>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Pursuant to an extended discussion at the recent Digital Communications
Conference, I propose that a TAPR-standard platform for HF modem development
be an "embedded" PC motherboard.

While a spare PC with minimum specifications is adequate, many have
expressed their desire to have an embedded system that doesn't require a
PC - they're somewhat expensive, take up much room, power hogs, etc. But
they are great for doing development work, and widely supported.

Using a PC motherboard in an "embedded" mode, would bridge the gap between
the two desires - all the advantages of using a PC, with few(er) of the
disadvantages.

Basically, TAPR would pick a motherboard of choice and build a case around
it and document it much as it does for any other TAPR project. Optionally a
12V input power supply could be developed and sold as part of the system, a
"standard" PTT interface circuit (with separate PTT connector on the case),
and the TAPR Compact Flash kit for booting / operating from a compact flash
card rather than a hard disk.

One GREAT example of this trend is the VIA EPIA 5000 All In One Motherboard
found at www.mini-itx.com:
* Being a PC, it's 100% compatible with PC development solutions
* It's pretty cheap ($100)
* It's small
* It doesn't require a fan - passive cooling only
* It includes all the required interfaces for development - keyboard, mouse,
hard disk
* It includes the key "embedded" interfaces required - AC97 sound and
Ethernet

My Thanks to Ren Roderick WA7QFR for pointing this out.

Thanks,

Steve

--
Steve Stroh steve@strohpub.com 425-481-0600
Editor - Focus on Broadband Wireless Internet Access newsletter
http://www.strohpub.com/focus
>

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Thu Sep 19 11:42:58 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id LAA23523
for <lyris.digi-voice@tapr.org>; Thu, 19 Sep 2002 11:42:55 -0500 (CDT)
Date: Thu, 19 Sep 2002 16:29:18 -0000
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] Re: Platforms for TAPR HF modem development
From: Matt Ettus <matt@ettus.com>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Message-ID: <LYR27637-99518-2002.09.19-12.23.53--lyris.digi-voice#tapr.org@lists.tapr.org>
MIME-Version: 1.0
Content-Disposition: inline
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
X-Message-Id: <20020919092918.npqjx8m6tvk\@localhost.localdomain.ettus.com>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

> Basically, TAPR would pick a motherboard of choice and build a case around
> it and document it much as it does for any other TAPR project.

As anyone who attended DCC knows, I'm strongly in favor of using PCs as the
platform for all future TAPR development. However, I don't see anything to be
gained by developing or reselling embedded PCs. It's a very fast moving market,
and TAPR is a very slow moving volunteer organization. PC inventory rapidly
decreases in value with time.

As an alternative, I'd propose that TAPR do the following:

- Generate a set of interface guidelines for embedded PCs for TAPR projects.
For example, specify

* 12 V input
* USB 2.0
* Ethernet
* Minimum processor speed
* Full-duplex stereo sound
* Maybe a PCI slot?
* A to-be-defined "Standard" PTT interface circuit
* All hardware must have drivers for Linux too

- Maintain web pages of links to suppliers of small form factor and embedded
PCs, 12V PC power supplies, etc., which meet the above criteria.

- If there is interest, coordinate one-time group buys to get good discounts

- Possibly sell the standard PTT interface

Matt

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Fri Sep 20 02:37:13 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id CAA09182
for <lyris.digi-voice@tapr.org>; Fri, 20 Sep 2002 02:37:09 -0500 (CDT)
From: "Darryl Smith" <Darryl@radio-active.net.au>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] Re: Platforms for TAPR HF modem development
Date: Fri, 20 Sep 2002 17:33:58 +1000
Message-ID: <LYR27637-99651-2002.09.20-03.18.13--lyris.digi-voice#tapr.org@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
Importance: Normal
In-Reply-To: <LYR30730-99637-2002.09.20-00.02.59--darryl#radio-active.net.au@lists.tapr.org>
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
X-Scanner: exiscan *17sIL3-0000Um-00*vCimd.3hHXs* on Astaro Security Linux
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <003801c26078$1866af80$4004a8c0@DELL8000>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

[I posed the following to the Board Mailing list earlier today before I
joined this list....

Since then I have thought about the issue a bit more. I think that TAPR
might be best off producing a Reference Design, even if only a few units
that can then be copied by everyone... The board I talk about that needs
development below could also include the PTT hardware...]

G'Day...

This does look cool... It is not quite fanless - if you look closely at
the photo on
http://www.computergate.com/products/item.cfm?prodcd=B7VEPIA5 you will

see a small fan for one of the IC's. The speed of the CPU is not really specified That is my real concern with this board - and it may not have the computing power for some of the work that we would want to use it for.

Seems we may have found ourselves a CPU platform. As for the power supply, check out http://www.power-on.com/flexatx.html. This page has a PSU with ATX with the size of 190x82x42.9mm (7.5"x3.2"x1.7"). This is fully ATX compatible including the optional -5V. The unit costs US$45, which is more expensive than a normal ATX PSU, but not bad for the size. As for the no real on/off button, there is the option in most bios systems for the computer to restart on return of power following loss of power. This is fairly good for what we need.

This PSU is 120/240V... There are 12V and 48V versions available from other manufacturers too.

This board has VIDEO OUT which may be able to be programmed to act as an arbitary function generator. I suspect not. I think that the real thing that is needed is an interface board that does an arbitary function input and output - maybe using 6MHz video capture IC's. This is where we need to do some work. We may be able to do this with Firewire or USB 2.0, but I think it might be PCI.

But for our application the PCI card needs to be 1/2 height or something to allow for our form factor. People do not want a tall box for the embedded system. Ideally we want the system including interface to be as shallow as possible. What might help the size here would be BNC sockets on the body of the board, rather than the end.

Darryl

P.S. I am not on the Digital Voice list... Does someone want to forward it?

Darryl Smith, VK2TDS POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Fri Sep 20 21:51:18 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id VAA08710
for <lyris.digi-voice@tapr.org>; Fri, 20 Sep 2002 21:51:18 -0500 (CDT)
Date: Fri, 20 Sep 2002 22:53:02 -0400
From: rainsbe@comcast.net
Subject: [digi-voice] Re: digi-voice digest: September 19, 2002
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Message-id: <LYR27637-99762-2002.09.20-22.32.27--lyris.digi-voice#tapr.org@lists.tapr.org>
MIME-version: 1.0
X-MIMEOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT
X-Priority: 3
X-MSMail-priority: Normal
<LYR29686-99637-2002.09.20-00.02.59--rainsbe#comcast.net@lists.tapr.org>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <000a01c2611a$00a12540$a7c33044@dalect01.va.comcast.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

I agree with Steve that embedded PC platform is a great idea and as he said the VIA EPIA 5000 is a great choice.

Ed
----- Original Message -----
From: "TAPR Digital Voice Mailing List digest" <digi-voice@lists.tapr.org>

To: "digi-voice digest recipients" <digi-voice@lists.tapr.org>
Sent: Friday, September 20, 2002 1:02 AM
Subject: digi-voice digest: September 19, 2002

> TAPR Digital Voice Mailing List Digest for Thursday, September 19, 2002.
>
> 1. Platforms for TAPR HF modem development
> 2. Re: Platforms for TAPR HF modem development
>
> ---
>
> Subject: Platforms for TAPR HF modem development
> From: "Steve Stroh" <lists@strohpub.com>
> Date: Thu, 19 Sep 2002 08:06:18 -0700
> X-Message-Number: 1
>
>
> Pursuant to an extended discussion at the recent Digital Communications
> Conference, I propose that a TAPR-standard platform for HF modem
development
> be an "embedded" PC motherboard.
>
> While a spare PC with minimum specifications is adequate, many have
> expressed their desire to have an embedded system that doesn't require a
> PC - they're somewhat expensive, take up much room, power hogs, etc. But
> they are great for doing development work, and widely supported.
>
> Using a PC motherboard in an "embedded" mode, would bridge the gap between
> the two desires - all the advantages of using a PC, with few(er) of the
> disadvantages.
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> Basically, TAPR would pick a motherboard of choice and build a case around
> it and document it much as it does for any other TAPR project. Optionally
a
> 12V input power supply could be developed and sold as part of the system,
a
> "standard" PTT interface circuit (with separate PTT connector on the
case),
> and the TAPR Compact Flash kit for booting / operating from a compact
flash
> card rather than a hard disk.
>
> One GREAT example of this trend is the VIA EPIA 5000 All In One
Motherboard
> found at www.mini-itx.com:
> * Being a PC, it's 100% compatible with PC development solutions
> * It's pretty cheap ($100)
> * It's small
> * It doesn't require a fan - passive cooling only
> * It includes all the required interfaces for development - keyboard,
mouse,
> hard disk
> * It includes the key "embedded" interfaces required - AC97 sound and
> Ethernet
>
> My Thanks to Ren Roderick WA7QFR for pointing this out.
>
>
> Thanks,
>
> Steve
>
> --
> Steve Stroh steve@strohpub.com 425-481-0600
> Editor - Focus on Broadband Wireless Internet Access newsletter
> http://www.strohpub.com/focus
> >
>
>
>
> ---
>
> Subject: Re: Platforms for TAPR HF modem development
> From: Matt Ettus <matt@ettus.com>
> Date: Thu, 19 Sep 2002 16:29:18 -0000

> X-Message-Number: 2
>
>
> > Basically, TAPR would pick a motherboard of choice and build a case
around
> > it and document it much as it does for any other TAPR project.
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>
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>
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>
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> * USB 2.0
> * Ethernet
> * Minimum processor speed
> * Full-duplex stereo sound
> * Maybe a PCI slot?
> * A to-be-defined "Standard" PTT interface circuit
> * All hardware must have drivers for Linux too
>
> - Maintain web pages of links to suppliers of small form factor and
embedded
> PCs, 12V PC power supplies, etc., which meet the above criteria.
>
> - If there is interest, coordinate one-time group buys to get good
discounts
>
> - Possibly sell the standard PTT interface
>
>
> Matt
>
>
>
> ---
>
> END OF DIGEST
>
> ---
> You are currently subscribed to digi-voice as: rainsbe@comcast.net
> To unsubscribe send a blank email to
leave-digi-voice-27637B@lists.tapr.org
>

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==
MONTHLY ARCHIVE: digi-voice.0210
MONTH: 2002-10
SOURCE: http://ftp.tapr.org/tapr_history/SIG_Archives/digi-voice/digi-voice.0210
==

From bounce-digi-voice-27637@lists.tapr.org Wed Oct 2 17:56:07 2002
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id RAA03893
for <lyris.digi-voice@tapr.org>; Wed, 2 Oct 2002 17:56:05 -0500 (CDT)
User-Agent: Microsoft-Entourage/10.1.0.2006
Date: Wed, 02 Oct 2002 18:41:05 -0400
Subject: [digi-voice] Write
From: Stan Horzepa <stanzepa@earthlink.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>

Message-ID: <LYR27637-101432-2002.10.02-18.36.31--lyris.digi-voice#tapr.org@lists.tapr.org>
Mime-version: 1.0
Content-type: text/plain; charset="ISO-8859-1"
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <B9C0EE41.8467%stanzepa@earthlink.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk
Content-Transfer-Encoding: 8bit
X-MIME-Autoconverted: from quoted-printable to 8bit by tapr.org id RAA03893

TAPR members:

Here is your chance to become rich and famous! Well, maybe not rich, but
certainly famous.

The editorial board of Packet Status Register (PSR, TAPRs quarterly
newsletter) is now soliciting articles, news items, etc. for the next issue
of the newsletter. Topics related to digital Amateur Radio will be given
preference and the editorial board reserves the right to determine what is
suitable for publication.

E-mail your contributions to wa1lou@tapr.org ASAP because the deadline for
the next issue of the newsletter is October 24.

73,

Stan Horzepa, WA1LOU, PSR Editor

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==
MONTHLY ARCHIVE: digi-voice.0301
MONTH: 2003-01
SOURCE: http://ftp.tapr.org/tapr_history/SIG_Archives/digi-voice/digi-voice.0301
==

From bounce-digi-voice-27637@lists.tapr.org Wed Jan 1 17:07:59 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id RAA23246
for <lyris.digi-voice@tapr.org>; Wed, 1 Jan 2003 17:07:57 -0600 (CST)
Date: Wed, 1 Jan 2003 17:7:49
Subject: [digi-voice] APCO P25 Format vs Icom DStar, et al
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "Larry Zanella" <zcopters@attbi.com>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sender: bounce-digi-voice-27637@lists.tapr.org
Message-Id: <LYR27637-113251-2003.01.01-17.53.53--lyris.digi-voice#tapr.org@lists.tapr.org>
Precedence: bulk

There has been much discussion as of late on the pros and cons of various
potential digital voice formats for Ham use. Seems to me that the logocal
choice is APCO P25 CAI IMBE.

Yes, there are a zillion other more recently developed vocoder designs and
modulation schemes that are arguable superior to IMBE and the P25
applicable standards. But, the commercial 2-Way landmobile industry is
rapidly converting to P25 with IMBE vocoders. This means a plethora of
digital voice gear is (or certainly will soon be) available for Ham
affordable purchase. Look at eBay: You can get great ASTRO P and M VHF and
UHF radios for under $500, and these prices will fall. And, who wants a
rice rocket repeater when you can buy an ASTRO Quantar on eBay (a UHF 110
watt ASTRO Quantar sold on eBay last week).

Icom's DStar is set to be priced at $1200 without the control head, and
$1500 with a head, some 3 times the price of an eBay ASTRO radio. They want
$12k for their DStar repeater, which is in the same range as a NEW
Quantar!

Icom won't talk to any P25 radio in the digital voice mode. Icom will not
talk to Kenwood's upcoming digital voice Ham radio.

In my personal 2 Cents opinion, if the Japanese Boys would go P25 IMBE for
their upcoming digital voice Ham gear, as opposed to their various other
"better" solutions, these guys would have a win-win situation since they
would also have the basis for a commercial P25 radio. Look at the interest
that Yaesu/Vertex, Icom and Kenwoood have been coming on strong with in
regards to the commercial 2-Way market. Just look at Icom's web site, and
notice their new E2E Turnkey approach to commercial 2-Way. Why in the heck
would they put all that R&D into a "better" digital voice radio format when
the P25 standards are already set, and making big inroads right now in the
commercial marketplace? Are they nuts? Can't they see the synergies of
going P25, and the waste of devepiong a parallel solution for the Ham
market that won't be worth squat in the Homeland Security huge emerging
market that will only release bids on P25 systems?!

This reminds me of Beta versus VHS: Yes, Beta was a lot superior
(technically), but look what happened!

Uniden should be commended for their APCO scanners. No way will these
decode Ham digital voice radios that are not P25---the market is way too
small. How stupid (IMHO) if we don't go P25---just consider all of the
issues that could be synergized versus lost if Hams (the user marketplace)
"let" the Japanese vendors convince us to buy non-P25 compatible gear.

Can't we get Hams organized to tell the Big Three Japanese Ham radio
manufactures that it is in their best interests to go P25?

Larry

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From bounce-digi-voice-27637@lists.tapr.org Wed Jan 1 18:08:10 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id SAA26562
for <lyris.digi-voice@tapr.org>; Wed, 1 Jan 2003 18:08:03 -0600 (CST)
Date: Wed, 1 Jan 2003 19:07:50 -0500
Subject: [digi-voice] Re: APCO P25 Format vs Icom DStar, et al
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v551)
From: Charles Ross <kf4oss@fireradio.org>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Content-Transfer-Encoding: 7bit
In-Reply-To: <LYR29299-113251-2003.01.01-17.53.53--kf4oss#fireradio.org@lists.tapr.org>
Message-Id: <LYR27637-113255-2003.01.01-18.53.57--lyris.digi-voice#tapr.org@lists.tapr.org>
X-AntiAbuse: This header was added to track abuse, please include it with any abuse report
X-AntiAbuse: Primary Hostname - atl3.hostvelocity.com
X-AntiAbuse: Original Domain - lists.tapr.org
X-AntiAbuse: Originator/Caller UID/GID - [0 0] / [0 0]
X-AntiAbuse: Sender Address Domain - fireradio.org
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <3B850B48-1DE6-11D7-81A6-000393A94B8E@fireradio.org>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

I couldn't agree more. I have recently subscribed to this list, but
Larry has an excellent point. In fact, I just read about ICOM's system
and was thinking about how awful it would be if each radio manufacturer
had their own digital system. I am already a huge supporter of
commercial gear (Motorola) on ham radio, and I'm a regular user on a
P25 digital trunked public safety system -- it rocks! It would make so
much since for hams to go P25, especially those that want to work
closely with public safety. I think we seriously need to do something
to not only push the Big Three to go P25, but we also need to start

pushing the entire ham population to learn about and accept digital voice technology. I'm finding it very difficult to get any hams interested in digital voice. Maybe if they knew more about it and why P25 could "rock their world," they'd be more willing to accept and use it.

If anyone is interested in creating a pro-P25 on ham radio website, I can provide hosting space. I think it would be a good idea.

Charlie Ross, KF4OSS

On Wednesday, Jan 1, 2003, at 17:07 US/Eastern, Larry Zanella wrote:

> There has been much discussion as of late on the pros and cons of
> various
> potential digital voice formats for Ham use. Seems to me that the
> logocal
> choice is APCO P25 CAI IMBE.
>
> Yes, there are a zillion other more recently developed vocoder designs
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> modulation schemes that are arguable superior to IMBE and the P25
> applicable standards. But, the commercial 2-Way landmobile industry is
> rapidly converting to P25 with IMBE vocoders. This means a plethora of
> digital voice gear is (or certainly will soon be) available for Ham
> affordable purchase. Look at eBay: You can get great ASTRO P and M VHF
> and
> UHF radios for under $500, and these prices will fall. And, who wants a
> rice rocket repeater when you can buy an ASTRO Quantar on eBay (a UHF
> 110
> watt ASTRO Quantar sold on eBay last week).
>
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> want
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>
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> their upcoming digital voice Ham gear, as opposed to their various
> other
> "better" solutions, these guys would have a win-win situation since
> they
> would also have the basis for a commercial P25 radio. Look at the
> interest
> that Yaesu/Vertex, Icom and Kenwoood have been coming on strong with in
> regards to the commercial 2-Way market. Just look at Icom's web site,
> and
> notice their new E2E Turnkey approach to commercial 2-Way. Why in the
> heck
> would they put all that R&D into a "better" digital voice radio format
> when
> the P25 standards are already set, and making big inroads right now in
> the
> commercial marketplace? Are they nuts? Can't they see the synergies of
> going P25, and the waste of devepiong a parallel solution for the Ham
> market that won't be worth squat in the Homeland Security huge emerging
> market that will only release bids on P25 systems?!
>
> This reminds me of Beta versus VHS: Yes, Beta was a lot superior
> (technically), but look what happened!
>
> Uniden should be commended for their APCO scanners. No way will these
> decode Ham digital voice radios that are not P25---the market is way
> too
> small. How stupid (IMHO) if we don't go P25---just consider all of the
> issues that could be synergized versus lost if Hams (the user
> marketplace)
> "let" the Japanese vendors convince us to buy non-P25 compatible gear.
>

> Can't we get Hams organized to tell the Big Three Japanese Ham radio
> manufactures that it is in their best interests to go P25?
>
> Larry
>
> ---
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> To unsubscribe send a blank email to
> leave-digi-voice-27637B@lists.tapr.org
>

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From bounce-digi-voice-27637@lists.tapr.org Wed Jan 1 19:30:14 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id TAA29702
for <lyris.digi-voice@tapr.org>; Wed, 1 Jan 2003 19:30:11 -0600 (CST)
From: TOMMY2R@aol.com
Message-ID: <LYR27637-113267-2003.01.01-20.16.01--lyris.digi-voice#tapr.org@lists.tapr.org>
Date: Wed, 1 Jan 2003 20:29:42 EST
Subject: [digi-voice] APCO 25 IMBE CAI DIGITAL VOICE
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
MIME-Version: 1.0
Content-Type: multipart/alternative; boundary="part1_141.69fbd56.2b44f006_boundary"
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <141.69fbd56.2b44f006@aol.com>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

--part1_141.69fbd56.2b44f006_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I AGREE WITH STANDARD APCO 25 IMBE CAI FORMAT.OVER A YEAR AGO I PUT A
MOTOROLA UHF QUANTRO REPEATER ON AMATEUR FREQUENCIES TO SEE HOW DIGITAL
COMPARED TO ANALOG OPERATION.WE HAVE FOUND OUT THAT IMBE WITH ERROR
CORRECTION PERFORMS BETTER THAN ANALOG.AUDIO IS MORE CONSISTENT ON WEAK
SIGNAL AREAS. WE NOW HAVE 2 ANALOG/DIGITAL SYSTEMS IN THE BERGEN COUNTY AREA
OF NEW JERSEY.

TOM W2RN

--part1_141.69fbd56.2b44f006_boundary
Content-Type: text/html; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

<HTML><FONT FACE=arial,helvetica><FONT SIZE=2 FAMILY="SANSSERIF" FACE="Arial" LANG="0">I AGREE WITH STANDARD
APCO 25 IMBE CAI FORMAT.OVER A YEAR AGO I PUT A MOTOROLA UHF QUANTRO REPEATER ON AMATEUR FREQUENCIES TO SEE
HOW DIGITAL COMPARED TO ANALOG OPERATION.WE HAVE FOUND OUT THAT IMBE WITH ERROR CORRECTION PERFORMS BETTER
THAN ANALOG.AUDIO IS MORE CONSISTENT ON WEAK SIGNAL AREAS. WE NOW HAVE 2 ANALOG/DIGITAL SYSTEMS IN THE BERGEN
COUNTY AREA OF NEW JERSEY.

    TOM W2RN</FONT></HTML>

--part1_141.69fbd56.2b44f006_boundary--

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From bounce-digi-voice-27637@lists.tapr.org Wed Jan 1 20:10:28 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id UAA01591
for <lyris.digi-voice@tapr.org>; Wed, 1 Jan 2003 20:10:28 -0600 (CST)
Message-ID: <LYR27637-113270-2003.01.01-20.56.20--lyris.digi-voice#tapr.org@lists.tapr.org>
From: "Jeremy" <n7ryy@attbi.com>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
References: <LYR31169-113267-2003.01.01-20.16.01--n7ryy#attbi.com@lists.tapr.org>

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Subject: [digi-voice] Re: APCO 25 IMBE CAI DIGITAL VOICE
Date: Wed, 1 Jan 2003 18:10:19 -0800
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="----=_NextPart_000_0031_01C2B1C1.0B0D2310"
X-Priority: 3
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <003401c2b204$19b5e6c0$6400a8c0@DELL>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

This is a multi-part message in MIME format.

------=_NextPart_000_0031_01C2B1C1.0B0D2310
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Just taking a survey, how many amateur Project 25 repeaters are =
operational in the US? I have heard of one in Colorado, a few at =
Motorola HQ in Illinois, one or two in Fort Worth TX, one in New Jersey. =
I am hoping that the Portland, OR area will get one someday.
Thanks
Jeremy
N7RYY
----- Original Message -----=20
From: TOMMY2R@aol.com=20
To: TAPR Digital Voice Mailing List=20
Sent: Wednesday, January 01, 2003 5:29 PM
Subject: [digi-voice] APCO 25 IMBE CAI DIGITAL VOICE

I AGREE WITH STANDARD APCO 25 IMBE CAI FORMAT.OVER A YEAR AGO I PUT A =
MOTOROLA UHF QUANTRO REPEATER ON AMATEUR FREQUENCIES TO SEE HOW DIGITAL =
COMPARED TO ANALOG OPERATION.WE HAVE FOUND OUT THAT IMBE WITH ERROR =
CORRECTION PERFORMS BETTER THAN ANALOG.AUDIO IS MORE CONSISTENT ON WEAK =
SIGNAL AREAS. WE NOW HAVE 2 ANALOG/DIGITAL SYSTEMS IN THE BERGEN COUNTY =
AREA OF NEW JERSEY.

TOM W2RN=20

------=_NextPart_000_0031_01C2B1C1.0B0D2310
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charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

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charset=3Diso-8859-1">
<META content=3D"MSHTML 6.00.2722.900" name=3DGENERATOR>
<STYLE></STYLE>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV><FONT face=3DArial size=3D2>Just taking a survey, how many amateur =
Project 25=20
repeaters are operational in the US?  I have heard of one in =
Colorado, a=20
few at Motorola HQ in Illinois, one or two in Fort Worth TX, one in New=20
Jersey.  I am hoping that the Portland, OR area will get one=20
someday.</FONT></DIV>
<DIV><FONT face=3DArial size=3D2>Thanks</FONT></DIV>
<DIV><FONT face=3DArial size=3D2>Jeremy</FONT></DIV>
<DIV><FONT face=3DArial size=3D2>N7RYY</FONT></DIV>
<BLOCKQUOTE=20
style=3D"PADDING-RIGHT: 0px; PADDING-LEFT: 5px; MARGIN-LEFT: 5px; =
BORDER-LEFT: #000000 2px solid; MARGIN-RIGHT: 0px">
<DIV style=3D"FONT: 10pt arial">----- Original Message ----- </DIV>
<DIV=20
style=3D"BACKGROUND: #e4e4e4; FONT: 10pt arial; font-color: =
```

```
black"><B>From:</B>=20
<A title=3DTOMMY2R@aol.com =
href=3D"mailto:TOMMY2R@aol.com">TOMMY2R@aol.com</A>=20
</DIV>
<DIV style=3D"FONT: 10pt arial"><B>To:</B> <A =
title=3Ddigi-voice@lists.tapr.org=20
href=3D"mailto:digi-voice@lists.tapr.org">TAPR Digital Voice Mailing =
List</A>=20
</DIV>
<DIV style=3D"FONT: 10pt arial"><B>Sent:</B> Wednesday, January 01, =
2003 5:29=20
PM</DIV>
<DIV style=3D"FONT: 10pt arial"><B>Subject:</B> [digi-voice] APCO 25 =
IMBE CAI=20
DIGITAL VOICE</DIV>
<DIV><BR></DIV><FONT face=3Darial,helvetica><FONT lang=3D0 =
face=3DArial size=3D2=20
FAMILY=3D"SANSSERIF">I AGREE WITH STANDARD APCO 25 IMBE CAI =
FORMAT.OVER A YEAR=20
AGO I PUT A MOTOROLA UHF QUANTRO REPEATER ON AMATEUR FREQUENCIES TO =
SEE HOW=20
DIGITAL COMPARED TO ANALOG OPERATION.WE HAVE FOUND OUT THAT IMBE WITH =
ERROR=20
CORRECTION PERFORMS BETTER THAN ANALOG.AUDIO IS MORE CONSISTENT ON =
WEAK SIGNAL=20
AREAS. WE NOW HAVE 2 ANALOG/DIGITAL SYSTEMS IN THE BERGEN COUNTY AREA =
OF NEW=20
=
JERSEY.<BR><BR>        &nbs=
p;           =20
TOM W2RN</FONT> </FONT></BLOCKQUOTE></BODY></HTML>

------=_NextPart_000_0031_01C2B1C1.0B0D2310--

---
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From bounce-digi-voice-27637@lists.tapr.org Wed Jan 1 22:05:23 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id WAA06191
for <lyris.digi-voice@tapr.org>; Wed, 1 Jan 2003 22:05:20 -0600 (CST)
Date: Wed, 1 Jan 2003 22:5:9
Subject: [digi-voice] Re: APCO 25 IMBE CAI DIGITAL VOICE
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "Larry Zanella" <zcopters@attbi.com>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sender: bounce-digi-voice-27637@lists.tapr.org
Message-Id: <LYR27637-113282-2003.01.01-22.51.15--lyris.digi-voice#tapr.org@lists.tapr.org>
Precedence: bulk

I plan to launch a Motorola ASTRO Quantar repeater (UHF) in downtown
Seattle (atop a tall skyscraper)within the next several months. This will
replace my current UHF FM repeater currently located at this downtown site.
I'm currently speaking with the WWARA about this conversion.

Larry

---
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From bounce-digi-voice-27637@lists.tapr.org Wed Jan 1 22:25:16 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id WAA06682
for <lyris.digi-voice@tapr.org>; Wed, 1 Jan 2003 22:25:15 -0600 (CST)
Message-ID: <LYR27637-113286-2003.01.01-23.11.10--lyris.digi-voice#tapr.org@lists.tapr.org>
From: "Jeremy" <n7ryy@attbi.com>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
References: <LYR31169-113282-2003.01.01-22.51.15--n7ryy#attbi.com@lists.tapr.org>
Subject: [digi-voice] Re: APCO 25 IMBE CAI DIGITAL VOICE
```

Date: Wed, 1 Jan 2003 20:25:16 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <001b01c2b216$f3e3c350$6400a8c0@DELL>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Larry
Out of curiousity what will the frequency and Network Access code. I have
an XTS-3000 UHF portable that is currently analog but can be flashed for
Project-25.
Thanks
Jeremy
n7ryy@attbi.com
----- Original Message -----
From: "Larry Zanella" <zcopters@attbi.com>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sent: Wednesday, January 01, 2003 12:00 AM
Subject: [digi-voice] Re: APCO 25 IMBE CAI DIGITAL VOICE

> I plan to launch a Motorola ASTRO Quantar repeater (UHF) in downtown
> Seattle (atop a tall skyscraper)within the next several months. This will
> replace my current UHF FM repeater currently located at this downtown
site.
> I'm currently speaking with the WWARA about this conversion.
>
> Larry
>
> ---
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>
>

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From bounce-digi-voice-27637@lists.tapr.org Thu Jan 2 19:02:08 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id TAA14271
for <lyris.digi-voice@tapr.org>; Thu, 2 Jan 2003 19:02:06 -0600 (CST)
Message-ID: <LYR27637-113365-2003.01.02-19.48.01--lyris.digi-voice#tapr.org@lists.tapr.org>
Date: Thu, 2 Jan 2003 17:01:53 -0800 (PST)
From: David McGinnis <n7mjw@yahoo.com>
Subject: [digi-voice] Re: APCO P25 Format vs Icom DStar, et al
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
In-Reply-To: <LYR28185-113251-2003.01.01-17.53.53--n7mjw#yahoo.com@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <20030103010153.459.qmail@web11407.mail.yahoo.com>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

As I read Larry's comments on P25 and amateur radio I
felt compelled to reply as to yet one more reason hams
should look seriously at p25 as the VHF/UHF digital

mode (HF is another thing). Interoperability is the
real and only issue here. All other digital modes, no
matter how technologly superior do nothing but to
fragment interoperability. Say what you want about
P25 being a Motorola standard in disguise, but P25 was
built from the ground up as a standards based, open on
the air interface for both Digital and trunking, and
Motorola equipment is hands down better designed, more
reliable, and funcitons better than any Amateur Radio
marketed gear (it has to be, while ham gear is sold to
a hobby buyer, M gear is sold to users who have lives
on the line).

It has occurred to me that mainstream amateur radio
lives in a closed world in respect to what is
occurring in the public safety, govenrment, commercial
sector. Yet amateur radio touts itself to be the last
breath for emergency communications. I work in public
safety, and I do communications and I take exception
to this. Amateur radio has a role, but not as a
seperate entity, isolated to its own frequencies,
methods, and modes. Radio amateurs should lead in
technology, as amateurs did in the past with SSB and
300 meter and down, but only where appropiate. (it is
interesting to note that SSB only became mainstream
with hams after the military picked it up). Amateurs
need to realize there are places where they are
decades behind the commerical players, and digital
voice and trunking is one of those areas not to
mention operations, procedures, microwave, and high
speed data.

In respect to digital voice. The die has been cast
and P25 is *the* digital standard in North America.
Unless hams wish to isolate themselves and their
networks further then it is a no brainer decision
(even M/A com sells P25 gear now).

Until hams base their radio purchases, operational
procedures and technical practices on the concept
speedy and real time communication is a life and death
matter, they will have no place in public safety based
emergency communications.

Dave
Communications System Coordinator
Senior Deputy Sheriff
Missoula County MT.
N7MJW

_____
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From bounce-digi-voice-27637@lists.tapr.org Fri Jan 3 08:06:34 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id IAA23920
for <lyris.digi-voice@tapr.org>; Fri, 3 Jan 2003 08:06:31 -0600 (CST)
User-Agent: Microsoft-Entourage/10.1.1.2418
Date: Fri, 03 Jan 2003 08:52:25 -0500
Subject: [digi-voice] Get Published and Extend Your TAPR Membership!
From: Stan Horzepa <stanzepa@earthlink.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Message-ID: <LYR27637-113457-2003.01.03-08.51.39--lyris.digi-voice#tapr.org@lists.tapr.org>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>

X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <BA3AFFC9.AD7F%stanzepa@earthlink.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

TAPR members:

The editorial board of Packet Status Register (PSR, the quarterly Newsletter
of TAPR) is now soliciting articles, news items, etc. for the next issue of
the newsletter. Topics related to digital Amateur Radio will be given
preference and the editorial board reserves the right to determine what is
suitable for publication.

As a bonus, if your contribution is published in PSR, your TAPR membership
will be extended by 3 months.

E-mail your contributions to wa1lou@tapr.org ASAP because the deadline for
the next issue of the newsletter is January 26.

73,

Stan Horzepa, WA1LOU, PSR Editor

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From bounce-digi-voice-27637@lists.tapr.org Thu Jan 16 03:47:39 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id DAA23194
for <lyris.digi-voice@tapr.org>; Thu, 16 Jan 2003 03:47:38 -0600 (CST)
Date: Thu, 16 Jan 2003 3:47:17
Subject: [digi-voice] Re: APCO P25 Format vs Icom DStar, et al
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "Larry Zanella" <zcopters@attbi.com>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sender: bounce-digi-voice-27637@lists.tapr.org
Message-Id: <LYR27637-115472-2003.01.16-04.34.08--lyris.digi-voice#tapr.org@lists.tapr.org>
Precedence: bulk

I agree 100% with Dave's comments. Unfortunately, I was speaking with Icom
a few days ago, and they mentioned that they are finding Ham radio
operators are now insisting on $89 handhelds. This is inconsistent with P25
costs, even if the Big Three were to jump in. I believe there are various
licensing costs/royalties, etc. that P25 manufacturers have to pay. Given
that current Motorola P25 equipment (such as their XTS 3000 portable and
ASTRO Spectra mobile radios) cost at least $5,000 a piece, even a cheap
off-shore radio would easily be a $1,000 or so. The ID-1 DStar mobile is
supposed to be priced at about $1,200 without a control head, and about
$1,500 with a head. So, I suppose if Hams want to pay $89 for a handheld,
and that seems to be their priorities, P25 in the ham environment may be a
pipe dream. At the same time, I do see lots of great ASTRO P25 gear on eBay
for well under $1,000.

If Hams' priorities are $89 handhelds, I would suspect we will lose our UHF
and VHF spectrum in the not too distant future. Cell phones long ago
negated autopatch, and it would seem Hams may as well buy FRS radios, if
that is their priority.

Nevertheless, I still plan to put a UHF ASTRO Quantar in service in
Seattle, using CAI IMBE P25 voice, this year. At that time, I will retire
my UHF Micor (which I bought new from Motorola in 1980), but the Quantar
will be located at the same skyscraper in downtown Seattle.

Can't hardly wait!

Larry

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From bounce-digi-voice-27637@lists.tapr.org Thu Jan 16 09:28:47 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id JAA03218
for <lyris.digi-voice@tapr.org>; Thu, 16 Jan 2003 09:28:46 -0600 (CST)
Subject: [digi-voice] Re: APCO P25 Format vs Icom DStar, et al
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Date: Thu, 16 Jan 2003 10:28:34 -0500
Content-class: urn:content-classes:message
x-mimeole: Produced By Microsoft Exchange V6.5.6803.0
Message-ID: <LYR27637-115485-2003.01.16-10.15.21--lyris.digi-voice#tapr.org@lists.tapr.org>
Thread-Topic: [digi-voice] Re: APCO P25 Format vs Icom DStar, et al
Thread-Index: AcK9RFdsPencqKtUS4CDJVG+XMWVgQALhI0Q
From: "Woodrick, Ed" <ewoodrick@ed-com.com>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <E88804A7FD1C2243A6CB345D996E09DB482B@skate.ed-com.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk
Content-Transfer-Encoding: 8bit
X-MIME-Autoconverted: from quoted-printable to 8bit by tapr.org id JAA03218

Larry,

I think that you jumped to a couple of conclusions that doesn't
necessarily impact digital deployments.

Hams like $89 handhelds - No, they like $8.90 handhelds. Many Hams are
really cheap and complain how expensive the $89 handheld is when
compared to the $9 FRS radio. But, then again, if you look at the
manufacturers, they ARE selling some significantly more expensive
handhelds. And we're talking analog handhelds here, ones without the
additional features capable in a digital handset.

Commercial radios are expensive - Commercial radios have always been
expensive. The are often of a higher quality, but more importantly, the
market will bear it. There's probably no reason why an APCO compliant
radio can't be made for $100. Even if licensing is currently, $100, that
will tend to decrease as production quantities increase.

Isn't $1200 for a new repeater a pretty cheap solution? That's what the
ID-1 is. Sure it's expensive, it's got a lot of features that aren't
currently available. It's also a first of a type radio with lots of R&D
costs behind it. The first DVD players were much more expensive than
this, now they are less than $100.

Hams are a single market, they are diverse groups within the Amateur
ranks. Some of these people commonly buy really expensive radios. Look
at all of the top end HF transceivers that are on the market. Look at
some of the Oscar setups. Look at antenna farms with $10000 towers and
$2000 antenna in triplicate.

E

-----Original Message-----
From: Larry Zanella [mailto:zcopters@attbi.com]
Sent: Wednesday, January 15, 2003 10:47 PM
To: TAPR Digital Voice Mailing List

I agree 100% with Dave's comments. Unfortunately, I was speaking with
Icom a few days ago, and they mentioned that they are finding Ham radio
operators are now insisting on $89 handhelds. This is inconsistent with
P25 costs, even if the Big Three were to jump in. I believe there are
various licensing costs/royalties, etc. that P25 manufacturers have to
pay. Given that current Motorola P25 equipment (such as their XTS 3000
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DStar mobile is supposed to be priced at about $1,200 without a control
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ham environment may be a pipe dream. At the same time, I do see lots of

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Nevertheless, I still plan to put a UHF ASTRO Quantar in service in Seattle, using CAI IMBE P25 voice, this year. At that time, I will retire my UHF Micor (which I bought new from Motorola in 1980), but the Quantar will be located at the same skyscraper in downtown Seattle.

Can't hardly wait!

Larry

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Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id NAA13116
for <lyris.digi-voice@tapr.org>; Thu, 16 Jan 2003 13:01:44 -0600 (CST)
Date: Thu, 16 Jan 2003 13:1:32
Subject: [digi-voice] Re: APCO P25 Format vs Icom DStar, et al
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "Larry Zanella" <zcopters@attbi.com>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sender: bounce-digi-voice-27637@lists.tapr.org
Message-Id: <LYR27637-115523-2003.01.16-13.48.17--lyris.digi-voice#tapr.org@lists.tapr.org>
Precedence: bulk

The ID-1 DStar is a mobile radio, not a repeater. It will carry a price of $1,500 with the control head. The repeater is expected to be $10,000 to $15,000.

As to $100 P25 sets, it would take production levels similar to cell phones to achieve this low of a price level. Motorola makes around 50,000 cell phones per day (5,000 per line per day @ 10 production lines). There are tens of millions of cell phones in the marketplace thus far. Ham radio folks are declining in numbers. Only a fraction of us are focused on radios other than $89 sets.

In a competitve marketplace, you can only charge the equilibrium price---set by the point where Supply crosses Demand. The Marketplace sets the competitive equilibrium price. Charging what the "market will bear" is only partially true in the case of a full monopolistic condition, which is not the case in commercial P25 world. Besides Motorola, there are M/A, Raycom, Transworld, Kenwood and others that respond to P25 Systems bids.

Larry

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Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id QAA24782
for <lyris.digi-voice@tapr.org>; Fri, 17 Jan 2003 16:23:58 -0600 (CST)
Subject: [digi-voice] Re: APCO P25 Format vs Icom DStar, et al
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Date: Fri, 17 Jan 2003 17:23:45 -0500
Content-class: urn:content-classes:message

x-mimeole: Produced By Microsoft Exchange V6.5.6803.0
Message-ID: <LYR27637-115779-2003.01.17-17.10.36--lyris.digi-voice#tapr.org@lists.tapr.org>
Thread-Topic: [digi-voice] Re: APCO P25 Format vs Icom DStar, et al
Thread-Index: AcK9kbytp+WfOzX+S0aqK5dR1x9ehgA46S7w
From: "Woodrick, Ed" <ewoodrick@ed-com.com>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <E88804A7FD1C2243A6CB345D996E09DBBFFF@skate.ed-com.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk
Content-Transfer-Encoding: 8bit
X-MIME-Autoconverted: from quoted-printable to 8bit by tapr.org id QAA24782

Last I heard the ID-1 was supposed to be a repeater as well as a radio.
At 1.2GHz, there's not that much needed to convert a transmitter and
receiver into a repeater. Remember, Motorola has made a lot of cavities
near those frequencies. One comes in every PCS cellphone!

No, it wouldn't take production levels to achieve that cost. In many
aspects, a P25 radio can be a lot cheaper to build than an analog radio
due to the ability to implement a good portion of it in software. It's
amazing what can be done with a front-end, IF, and DSP.

At this point, P25 is still a new technology, often only being
implemented by "richer" cities. The manufacturers are still recouping
their investments and are trying to make a little money out of the deal.
But as APCO25 catches on and is widely deployed, the costs will come
down dramatically.

I'm pretty sure that the envisioners of APCO 25 didn't set out to design
a radio that would be prohibitively expensive for most Public Safety
organizations.

Ed

-----Original Message-----
From: Larry Zanella [mailto:zcopters@attbi.com]
Sent: Wednesday, January 15, 2003 8:01 PM
To: TAPR Digital Voice Mailing List
Subject: [digi-voice] Re: APCO P25 Format vs Icom DStar, et al

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only partially true in the case of a full monopolistic condition, which
is
not the case in commercial P25 world. Besides Motorola, there are M/A,
Raycom, Transworld, Kenwood and others that respond to P25 Systems bids.

Larry

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From bounce-digi-voice-27637@lists.tapr.org Sat Jan 18 13:17:51 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id NAA09710
for <lyris.digi-voice@tapr.org>; Sat, 18 Jan 2003 13:17:48 -0600 (CST)
Date: Sat, 18 Jan 2003 13:17:38
Subject: [digi-voice] Re: APCO P25 Format vs Icom DStar, et al
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "Larry Zanella" <zcopters@attbi.com>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sender: bounce-digi-voice-27637@lists.tapr.org
Message-Id: <LYR27637-115952-2003.01.18-14.04.28--lyris.digi-voice#tapr.org@lists.tapr.org>
Precedence: bulk

ED, please take the time to check your facts.

First, the ID-1 is absolutely NOT a repeater!! The DSar repeater is an
entirely separate product! You might want to read the Icom DStar brochure.
Check TAPR's home site---they have a link to the digital voice forum. The
DStar brochure is at the top of their link list. I have confirmed this
information with Icom in a visit (their HQ is right by my house).

Second fact: Cellular operates in the 800 MHz band, and PCS operates in the
1.9 to 2 GHz band. Neither of these are considered to be "near" 1.2 GHz (in
RF terms) to be of any usefullness in the context of your comments.

Third, cell phones do not use duplexers (you are possibly confusing things
with the old VHF and UHF IMTS boat anchors that used true duplexers). Cell
phones use diplexers. And, cellular and PCS digital TDMA phones use
so-called "ping-pong" techniques to create a pseudo full duplex
environment.

As to Motorola's (gentle) push on P25, it's a bit more than a small effort!
Motorla is EXCLUSSIVELY bidding P25 ASTRO in large metro environments. In
fact, their new Smart 7 sytem is 100% digital, to where there is no more
analog in the system, even at the console level, except for the human voice
(e.g., no more need for the DIU 3000 to do the D/A and A/D on the human
voice, and even the encryption is in software).

As to cheap P25, no time soon, that's for sure, unless you consider the
$800 ASTRO P & M radios on eBay, which isn't too bad (except for the $89
hams).

Larry

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From bounce-digi-voice-27637@lists.tapr.org Sun Jan 19 14:00:58 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id OAA03106
for <lyris.digi-voice@tapr.org>; Sun, 19 Jan 2003 14:00:51 -0600 (CST)
From: "Darryl Smith" <Darryl@radio-active.net.au>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] RE: digi-voice digest: January 18, 2003
Date: Mon, 20 Jan 2003 07:00:25 +1100
Message-ID: <LYR27637-116089-2003.01.19-14.47.30--lyris.digi-voice#tapr.org@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
In-Reply-To: <LYR30730-116022-2003.01.19-00.00.23--darryl#radio-active.net.au@lists.tapr.org>
Importance: Normal
X-Scanner: exiscan *18aLcL-0006fV-00*Gc8chjK0Wok* on Astaro Security Linux
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>

List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <005401c2bff5$6b733400$21283c3f@DELL8000>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

I believe that the reason that the ID-1 is not a repeater is just the
software, not hardware.

The ID-1 has a TX/RX time of under 10 mSec, so there would be no problem
having 100mSec TX and then 100 mSec RX alternately, with 200 mSec voice
transmitted in the 100 mSec available.

Also, Larry, can you please check your facts...

>Third, cell phones do not use duplexers (you are possibly confusing
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>with the old VHF and UHF IMTS boat anchors that used true duplexers).
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>phones use diplexers. And, cellular and PCS digital TDMA phones use
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This is wrong. GSM and D-AMPS TDMA cellular used in the USA and world
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of a cell, each attempting to get their use of the spectrum, listening
for the messages from the cell site and making sure that they do not
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Darryl

Darryl Smith, VK2TDS POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

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To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Sun Jan 19 16:03:09 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id QAA07667
for <lyris.digi-voice@tapr.org>; Sun, 19 Jan 2003 16:03:05 -0600 (CST)
From: "Larry Zanella" <zcopters@attbi.com>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] RE: digi-voice digest: January 18, 2003
Date: Sun, 19 Jan 2003 14:02:19 -0800
Message-ID: <LYR27637-116108-2003.01.19-16.49.44--lyris.digi-voice#tapr.org@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
In-Reply-To: <LYR31601-116089-2003.01.19-14.47.30--zcopters#attbi.com@lists.tapr.org>
Importance: Normal
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <000601c2c006$6f8cf240$6501a8c0@C1854737A>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

And your rambling point being?

First, the ID-1 is a mobile radio. The ICOM DStar repeater will sell for $10,000 to $15,000. I suppose you could Rube Goldberg things and haywire up all sorts of junk. The point is: ICOM agrees with me, as they confimed that the ID-1 is a mobile, and not a repeater, and the repeater for Dstar is an entirely separate product, at approximately 10 times the price of the ID-1. Then again, I suppose you could be right, and ICOM is wrong...

Regarding duplexers, my point was that 1) the cellular and PCS bands are not close to the 1.2 GHz ham band to be of any usefulness in the context of Ed's comments, and 2) cell phones and PCS phones use diplexers, and NOT duplexers.

Please check your facts before posting, Darryl---it saves everyone time.

Larry

-----Original Message-----
From: bounce-digi-voice-31601@lists.tapr.org
[mailto:bounce-digi-voice-31601@lists.tapr.org] On Behalf Of Darryl Smith
Sent: Sunday, January 19, 2003 12:00 PM
To: TAPR Digital Voice Mailing List
Subject: [digi-voice] RE: digi-voice digest: January 18, 2003

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leave-digi-voice-27637B@lists.tapr.org

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To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Sun Jan 19 19:16:58 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id TAA15973
for <lyris.digi-voice@tapr.org>; Sun, 19 Jan 2003 19:16:54 -0600 (CST)
User-Agent: Microsoft-Entourage/10.1.1.2418
Date: Sun, 19 Jan 2003 19:54:53 -0500

Subject: [digi-voice] PSR deadline coming soon!
From: Stan Horzepa <stanzepa@earthlink.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Message-ID: <LYR27637-116159-2003.01.19-20.03.08--lyris.digi-voice#tapr.org@lists.tapr.org>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <BA50B30D.B6E4%stanzepa@earthlink.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Just a reminder: If you are interested in submitting an article for TAPR's
newsletter, Packet Status Register, the deadline is the 26th, so send me
your input ASAP.

73,

Stan, WA1LOU, PSR Editor

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To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Mon Jan 20 00:54:49 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id AAA03630
for <lyris.digi-voice@tapr.org>; Mon, 20 Jan 2003 00:54:48 -0600 (CST)
From: "Darryl Smith" <Darryl@radio-active.net.au>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] RE: digi-voice digest: January 18, 2003
Date: Mon, 20 Jan 2003 17:54:19 +1100
Message-ID: <LYR27637-116249-2003.01.20-01.41.18--lyris.digi-voice#tapr.org@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
Importance: Normal
In-Reply-To: <LYR30730-116199-2003.01.20-00.01.27--darryl#radio-active.net.au@lists.tapr.org>
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
X-Scanner: exiscan *18aVou-0007su-00*Hzsl7xmQRNI* on Astaro Security Linux
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <001f01c2c050$c4a353b0$4601a8c0@DELL8000>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

RE: ID1...

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RE: Diplexer vs. Duplexer

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Of course I would be interested if this is the wrong definition of a
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Exactly :-)

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From bounce-digi-voice-27637@lists.tapr.org Mon Jan 20 12:10:04 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id MAA29359
for <lyris.digi-voice@tapr.org>; Mon, 20 Jan 2003 12:09:59 -0600 (CST)
From: "Larry Zanella" <zcopters@attbi.com>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Subject: [digi-voice] RE: digi-voice digest: January 18, 2003
Date: Mon, 20 Jan 2003 10:09:17 -0800
Message-ID: <LYR27637-116310-2003.01.20-12.56.29--lyris.digi-voice#tapr.org@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
Importance: Normal
In-Reply-To: <LYR31601-116249-2003.01.20-01.41.18--zcopters#attbi.com@lists.tapr.org>
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <000001c2c0af$0ca19100$6501a8c0@C1854737A>
Sender: bounce-digi-voice-27637@lists.tapr.org
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P25 is DIGITAL---it uses FDMA for Phase I at 12.5 kHz channels, and it will use TDMA for Phase II at 6.25 kHz channels. Haven't yet heard of P25 referred to as analog.

Diplexers have been used since Day 1 in cell phones. Check your Motorola parts manual.

Larry

-----Original Message-----
From: bounce-digi-voice-31601@lists.tapr.org [mailto:bounce-digi-voice-31601@lists.tapr.org] On Behalf Of Darryl Smith
Sent: Sunday, January 19, 2003 10:54 PM
To: TAPR Digital Voice Mailing List
Subject: [digi-voice] RE: digi-voice digest: January 18, 2003

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From bounce-digi-voice-27637@lists.tapr.org Mon Jan 20 12:47:42 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id MAA01017
for <lyris.digi-voice@tapr.org>; Mon, 20 Jan 2003 12:47:41 -0600 (CST)
Content-class: urn:content-classes:message
Subject: [digi-voice] RE: digi-voice digest: January 18, 2003
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Date: Mon, 20 Jan 2003 13:47:02 -0500
x-mimeole: Produced By Microsoft Exchange V6.5.6803.0
Message-ID: <LYR27637-116315-2003.01.20-13.34.18--lyris.digi-voice#tapr.org@lists.tapr.org>
Thread-Topic: [digi-voice] RE: digi-voice digest: January 18, 2003
Thread-Index: AcLArygjjiirzl2uTw6dy6mhPNsRfAAAj8Bg
From: "Woodrick, Ed" <ewoodrick@ed-com.com>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <E88804A7FD1C2243A6CB345D996E09DBC001@skate.ed-com.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk
Content-Transfer-Encoding: 8bit
X-MIME-Autoconverted: from quoted-printable to 8bit by tapr.org id MAA01017

Larry,

I think that some folks are suggesting is that ICOM definitely doesn't
know their own radio. No, I'm not saying that ICOM is wrong, what I'm
saying is that there is no such thing as a singular voice that is ICOM,
even the brochure. It's like with any company, there is no single person
that knows everything about anything within an organization. If you are
listening to a sales representative, then you probably need quite a few
grains of salt.

If I remember correctly, the ID-1 brochure is marked as preliminary. At
the time that it was presented at Dayton (when the brochure was shown),
the whole radio was presented as a "concept radio" something that maybe
would never go on sale. What that means is that sales, marketing and
engineering got together and came up with a set of specifications that
they thought were implementable and saleable. So what you see is
definitely not what you will get.

Now, when looking through the brochure, I don't see anything that says
that the mobile radio will not act as a repeater. What it says to me is
that there is another device that will act as a high-speed data link
that they are calling the repeater. From my understanding, this repeater
was to be the backbone of a network that had multiple end-points for
users to enter the network. Such as we have networks of linked repeaters
today. When you look at the specs of the repeater, if you take it on
absolute face value as you seem to have done, then it sounds pretty odd
to me that it has a 10GHz connection. Why would a repeater need a 10GHz
connection? All of it's stations are on 1.2GHz! But if this was the
interface for linking many radios, that would start to make sense to me.

Duplexer, Diplexer, they're all cavities type of things to me. And while
you are right that they aren't exactly on the Amateur band, that doesn't
mean that the technology that was used to miniaturize them is not
attributable to the ID-1. After all, cellular is at 900 and PCS is at
1.8, it's not as if they aren't all around us!

Now, if you have some special insight into ICOM, I'd really appreciate knowing it, and what the source is. I pretty well assume that there isn't anyone in the states that would be considered an expert on the device yet, so I'm guessing that any expertise would have to come from marketing or engineering in Japan.

Please let me/us know if you have any information other than a sales guy or brochure.

Ed

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From: Larry Zanella [mailto:zcopters@attbi.com]
Sent: Monday, January 20, 2003 1:09 PM
To: TAPR Digital Voice Mailing List
Subject: [digi-voice] RE: digi-voice digest: January 18, 2003

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You are currently subscribed to digi-voice as: ewoodrick@ed-com.com To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

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Subject: [digi-voice] RE: digi-voice digest: January 18, 2003
Date: Mon, 20 Jan 2003 13:04:12 -0800
Message-ID: <LYR27637-116333-2003.01.20-15.51.31--lyris.digi-voice#tapr.org@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit
X-Priority: 3 (Normal)
X-MSMail-Priority: Normal
x-mimeole: Produced By Microsoft MimeOLE V6.00.2800.1106
Importance: Normal
In-Reply-To: <LYR31601-116315-2003.01.20-13.34.18--zcopters#attbi.com@lists.tapr.org>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <000001c2c0c7$7bbbdf10$6501a8c0@C1854737A>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

ED, ICOM is quite a lot further along on the DStar radio than you might think. As you may know, they released the DStar radios to a number of third party software developers last month. They are running just about one month behind schedule, as they originally intended to get the radios into the applications developers hands in November, 2002.

The repeater will do 3 distinct jobs: It will: 1) repeat legacy analog FM voice; 2) repeat digital voice (darn---but not in P25 format!); and, 3) it will handle the 128 kb/s high speed data link.

The 10 GHz microwave radio ties into the repeater(s) to address a couple of different functions. It will connect multiple DStar repeaters together to provide wide area analog FM and digital voice systems, and it will backhaul the high speed data to a DSL or cable high speed intenet connection.

Wait 'till Dayton 2003 to see more and to be able to buy a DStar!

Larry

-----Original Message-----
From: bounce-digi-voice-31601@lists.tapr.org
[mailto:bounce-digi-voice-31601@lists.tapr.org] On Behalf Of Woodrick,
Ed
Sent: Monday, January 20, 2003 10:47 AM
To: TAPR Digital Voice Mailing List
Subject: [digi-voice] RE: digi-voice digest: January 18, 2003

Larry,

I think that some folks are suggesting is that ICOM definitely doesn't
know their own radio. No, I'm not saying that ICOM is wrong, what I'm
saying is that there is no such thing as a singular voice that is ICOM,
even the brochure. It's like with any company, there is no single person
that knows everything about anything within an organization. If you are
listening to a sales representative, then you probably need quite a few
grains of salt.

If I remember correctly, the ID-1 brochure is marked as preliminary. At
the time that it was presented at Dayton (when the brochure was shown),
the whole radio was presented as a "concept radio" something that maybe
would never go on sale. What that means is that sales, marketing and
engineering got together and came up with a set of specifications that
they thought were implementable and saleable. So what you see is
definitely not what you will get.

Now, when looking through the brochure, I don't see anything that says
that the mobile radio will not act as a repeater. What it says to me is
that there is another device that will act as a high-speed data link
that they are calling the repeater. From my understanding, this repeater
was to be the backbone of a network that had multiple end-points for
users to enter the network. Such as we have networks of linked repeaters
today. When you look at the specs of the repeater, if you take it on
absolute face value as you seem to have done, then it sounds pretty odd
to me that it has a 10GHz connection. Why would a repeater need a 10GHz
connection? All of it's stations are on 1.2GHz! But if this was the
interface for linking many radios, that would start to make sense to me.

Duplexer, Diplexer, they're all cavities type of things to me. And while
you are right that they aren't exactly on the Amateur band, that doesn't
mean that the technology that was used to miniaturize them is not
attributable to the ID-1. After all, cellular is at 900 and PCS is at
1.8, it's not as if they aren't all around us!

Now, if you have some special insight into ICOM, I'd really appreciate
knowing it, and what the source is. I pretty well assume that there
isn't anyone in the states that would be considered an expert on the
device yet, so I'm guessing that any expertise would have to come from
marketing or engineering in Japan.

Please let me/us know if you have any information other than a sales guy
or brochure.

Ed

-----Original Message-----
From: Larry Zanella [mailto:zcopters@attbi.com]
Sent: Monday, January 20, 2003 1:09 PM
To: TAPR Digital Voice Mailing List
Subject: [digi-voice] RE: digi-voice digest: January 18, 2003

When you say ICOM doesn't know their own radio... I really suggest you
read their DStar brochure for an overview.

P25 is DIGITAL---it uses FDMA for Phase I at 12.5 kHz channels, and it
will use TDMA for Phase II at 6.25 kHz channels. Haven't yet heard of
P25 referred to as analog.

Diplexers have been used since Day 1 in cell phones. Check your Motorola
parts manual.

Larry

-----Original Message-----
From: bounce-digi-voice-31601@lists.tapr.org
[mailto:bounce-digi-voice-31601@lists.tapr.org] On Behalf Of Darryl
Smith
Sent: Sunday, January 19, 2003 10:54 PM
To: TAPR Digital Voice Mailing List
Subject: [digi-voice] RE: digi-voice digest: January 18, 2003

RE: ID1...

Realistically the ID-1 can be used as a repeater... The D-Star official
repeater is a traditional FDMA analogue system where you have frequency
offsets for the repeater.

With the ID-1 there is no reason why the radio cannot be used in a
digital mode where it is used in a digital timesharing mode, store and
forward mode.

Given what I saw at the DCC I would not be surprised if ICOM are not
experts on this radio.

RE: Diplexer vs. Duplexer

>Regarding duplexers, my point was that 1) the cellular and PCS bands
are
>not close to the 1.2 GHz ham band to be of any usefulness in the
context
>of Ed's comments, and 2) cell phones and PCS phones use diplexers, and
NOT duplexers.

>From an internet site.
>The names Duplexer and Diplexer are very similar and frequently
confused.
>The Duplexer is a device which separates 2 frequencies within the same
band
>while the Diplexer is a device which separates 2 different bands.
>The Duplexer requires much more selective circuits while the Diplexer
normally
>requires only low pass and high pass circuits

And

>Electrically a duplexer is a device using sharply tuned resonate
circuits to
>isolate a transmitter from a receiver.

Since the RX and TX frequencies are about 45 MHz apart at 800/900 MHz, I
would call that the same band. I am sure that something more than a
simple R/C filter is needed for the seperation of RX/TX in a mobile
phone. I have looked inside several PCS phones and Cellphones and found
tuned cavities of ceramics - seeming to indicate that these contain
devices which are DUPLEXERS

Of course I would be interested if this is the wrong definition of a
DUPLEXER. And of course the product on
http://www.3g.co.uk/PR/August2002/3899.htm might not be used in
practice.

>Please check your facts before posting, Darryl---it saves everyone
time.

Exactly :-)

Darryl

Darryl Smith, VK2TDS POBox 169 Ingleburn NSW 2565 Australia
Mobile Number 0412 929 634 [+61 4 12 929 634 International]
Darryl@radio-active.net.au | www.radio-active.net.au

You are currently subscribed to digi-voice as: zcopters@attbi.com To
unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

---
You are currently subscribed to digi-voice as: ewoodrick@ed-com.com To
unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

---
You are currently subscribed to digi-voice as: zcopters@attbi.com
To unsubscribe send a blank email to
leave-digi-voice-27637B@lists.tapr.org

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Mon Jan 20 15:26:30 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.13) with SMTP id PAA09871
for <lyris.digi-voice@tapr.org>; Mon, 20 Jan 2003 15:26:28 -0600 (CST)
Date: Mon, 20 Jan 2003 15:26:11
Subject: [digi-voice] RE: digi-voice digest: January 18, 2003
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "Larry Zanella" <zcopters@attbi.com>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sender: bounce-digi-voice-27637@lists.tapr.org
Message-Id: <LYR27637-116338-2003.01.20-16.13.10--lyris.digi-voice#tapr.org@lists.tapr.org>
Precedence: bulk

One other neat feature of the DStar repeater is that it will have a mode
where it can receive legacy analog FM voice transmissions, and repeat them
in digitzed voice (unfortunately, not P25, though).

Sort of a backwards compatibility feature, as the Old Boys and $89 Hams
will try to keep a death grip on FM as long as they possibly can (and CW,
for that matter). Look how long it took to kill tubes when solid state
techniques arrived on the scene!

2KEWL!

Larry

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To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

==========
MONTHLY ARCHIVE: digi-voice.0303
MONTH: 2003-03
SOURCE: http://ftp.tapr.org/tapr_history/SIG_Archives/digi-voice/digi-voice.0303
==========

From bounce-digi-voice-27637@lists.tapr.org Tue Mar 18 14:28:47 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.16) with SMTP id OAA23943
for <lyris.digi-voice@tapr.org>; Tue, 18 Mar 2003 14:28:46 -0600 (CST)
Date: Tue, 18 Mar 2003 14:27:48
Subject: [digi-voice] Huh?
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "Larry Zanella" <zcopters@attbi.com>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sender: bounce-digi-voice-27637@lists.tapr.org
Message-Id: <LYR27637-124912-2003.03.18-15.17.47--lyris.digi-voice#tapr.org@lists.tapr.org>
Precedence: bulk

Huh?

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

==========
MONTHLY ARCHIVE: digi-voice.0304
MONTH: 2003-04

SOURCE: http://ftp.tapr.org/tapr_history/SIG_Archives/digi-voice/digi-voice.0304
==

From bounce-digi-voice-27637@lists.tapr.org Tue Apr 1 19:00:29 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.16) with SMTP id TAA23355
for <lyris.digi-voice@tapr.org>; Tue, 1 Apr 2003 19:00:27 -0600 (CST)
User-Agent: Microsoft-Entourage/10.1.1.2418
Date: Tue, 01 Apr 2003 19:38:06 -0500
Subject: [digi-voice] publish or perish
From: Stan Horzepa <stanzepa@earthlink.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Message-ID: <LYR27637-127146-2003.04.01-19.50.14--lyris.digi-voice#tapr.org@lists.tapr.org>
Mime-version: 1.0
Content-type: text/plain; charset="ISO-8859-1"
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <BAAF9B1E.DB61%stanzepa@earthlink.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk
Content-Transfer-Encoding: 8bit
X-MIME-Autoconverted: from quoted-printable to 8bit by tapr.org id TAA23355

Here is your chance to become rich and famous! Well, maybe not rich, but
certainly famous.

The editorial board of Packet Status Register (PSR, TAPRs quarterly
newsletter) is now soliciting articles, news items, etc. for the next issue
of the newsletter. Topics related to digital Amateur Radio will be given
preference and the editorial board reserves the right to determine what is
suitable for publication.

E-mail your contributions to wa1lou@tapr.org ASAP because the deadline for
the next issue of the newsletter is April 24.

Don't forget, if you are a TAPR member, you will add three months to your
TAPR membership for every article that is published in PSR.

73,

Stan Horzepa, WA1LOU, PSR Editor

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Sat Apr 12 03:07:31 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.16) with SMTP id DAA05970
for <lyris.digi-voice@tapr.org>; Sat, 12 Apr 2003 03:07:30 -0500 (CDT)
Date: Sat, 12 Apr 2003 3:7:2
Subject: [digi-voice] Re: publish or perish
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "Larry Zanella" <zcopters@attbi.com>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sender: bounce-digi-voice-27637@lists.tapr.org
Message-Id: <LYR27637-128377-2003.04.12-03.57.46--lyris.digi-voice#tapr.org@lists.tapr.org>
Precedence: bulk

or...

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Sat Apr 12 09:38:07 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])

by tapr.org (8.9.3/8.9.3/1.16) with SMTP id JAA16440
for <lyris.digi-voice@tapr.org>; Sat, 12 Apr 2003 09:38:06 -0500 (CDT)
User-Agent: Microsoft-Entourage/10.1.1.2418
Date: Sat, 12 Apr 2003 10:37:12 -0400
Subject: [digi-voice] Re: publish or perish
From: Stan Horzepa <stanzepa@earthlink.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Message-ID: <LYR27637-128409-2003.04.12-10.27.43--lyris.digi-voice#tapr.org@lists.tapr.org>
In-Reply-To: <LYR30845-128377-2003.04.12-03.57.46--stanzepa#earthlink.net@lists.tapr.org>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <BABD9CD8.DF91%stanzepa@earthlink.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

eh?

On 4/12/03 0:00, "Larry Zanella" <zcopters@attbi.com> wrote:

> or...
>
> ---
> You are currently subscribed to digi-voice as: stanzepa@earthlink.net
> To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org
>

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Sat Apr 12 10:14:35 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.16) with SMTP id KAA17515
for <lyris.digi-voice@tapr.org>; Sat, 12 Apr 2003 10:14:32 -0500 (CDT)
Message-ID: <LYR27637-128428-2003.04.12-11.04.53--lyris.digi-voice#tapr.org@lists.tapr.org>
Date: Sat, 12 Apr 2003 08:14:05 -0700 (PDT)
From: David McGinnis <n7mjw@yahoo.com>
Subject: [digi-voice] HF Digital voice on Harris equipment
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
In-Reply-To: <LYR28185-128409-2003.04.12-10.27.43--n7mjw#yahoo.com@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <20030412151405.92895.qmail@web11401.mail.yahoo.com>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

This is kind of a human interest story...

There have been a bunch of Harris 5020 exciters that
hit the market in the $400 range over the last few
months. They all had the digital voice option. There
is starting to be a group of hams gathering with these
rigs and using the DV on them. The time I made an
effort to catch up with them I made a contact from
Montana to Colorado on 20 watts on 40, amidst QRM from
broadcast stations. It worked.

The description of the Harris setup is as follows:
39 Tone MIL-STD 110A Appendix B modem, or HARCO-39. A
LPC-10 vocoder drives the modem. This seems to follow
what is done in the ANDVT TACTERM (USC-43) and MINTERM
(KY-99)units and I suspect is interoperable since
these radios were COTS for military systems. As an

aside, while encryption is available, we are not using
encryption. As for interoperability, I am not sure if
the TACTERM and MINTERM can be operated without a key
(in the clear).

_____
Do you Yahoo!?
Yahoo! Tax Center - File online, calculators, forms, and more
http://tax.yahoo.com

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From bounce-digi-voice-27637@lists.tapr.org Mon Apr 14 19:31:56 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.16) with SMTP id TAA14811
for <lyris.digi-voice@tapr.org>; Mon, 14 Apr 2003 19:31:53 -0500 (CDT)
Date: Mon, 14 Apr 2003 19:31:21
Subject: [digi-voice] Re: publish or perish
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "Larry Zanella" <zcopters@attbi.com>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sender: bounce-digi-voice-27637@lists.tapr.org
Message-Id: <LYR27637-128650-2003.04.14-20.22.15--lyris.digi-voice#tapr.org@lists.tapr.org>
Precedence: bulk

huh?

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Tue Apr 15 15:54:57 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.16) with SMTP id PAA29234
for <lyris.digi-voice@tapr.org>; Tue, 15 Apr 2003 15:54:56 -0500 (CDT)
X-WebMail-UserID: silage@temple.edu
Date: Tue, 15 Apr 2003 16:53:03 -0400
Sender: bounce-digi-voice-27637@lists.tapr.org
From: Dennis Silage <silage@temple.edu>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-EXP32-SerialNo: 50000141
Subject: [digi-voice] AMBE-2020 Vocoder Development
Message-ID: <LYR27637-128744-2003.04.15-16.45.16--lyris.digi-voice#tapr.org@lists.tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <3E9D2E41@smaug.ocis.temple.edu>
Precedence: bulk

The development of a DVSI AMBE-2020 vocoder to replace Charles G4GUO original
AMBE-1000 TAPR design was an ECE senior design project this academic year at
Temple University. The design was executed by three female undergraduates and
although not quite complete, represents a great effort on their part. The
DVSI AMBE-1000 was a 'parallel' Lucent DSP and the AMBE-2020 is a 'serial' TI
DSP with new process control functionality.

The vocoder design uses a Ubicom SX28 microprocessor host and the design
details can be viewed at www.temple.edu/k3tu/digital_voice.htm.

A functional translation of the microprocessor support to a PIC device, which
was requested by some on the list, is being done by Chip N3IW.

Chip and I will also be completing verification tests at baseband of the
compatibility of the AMBE-1000 and AMBE-2020 designs at various information
and data rates. The design results are targeted to be demonstrated at DCC New
Haven in September (Dayton is too close in time!). See you there!

Dennis K3DS

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From bounce-digi-voice-27637@lists.tapr.org Mon Apr 21 19:11:52 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.16) with SMTP id TAA28506
for <lyris.digi-voice@tapr.org>; Mon, 21 Apr 2003 19:11:51 -0500 (CDT)
User-Agent: Microsoft-Entourage/10.1.1.2418
Date: Mon, 21 Apr 2003 19:38:40 -0400
Subject: [digi-voice] Packet Status Register deadline nears
From: Stan Horzepa <stanzepa@earthlink.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Message-ID: <LYR27637-129463-2003.04.21-20.01.53--lyris.digi-voice#tapr.org@lists.tapr.org>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <BAC9F940.E2D6%stanzepa@earthlink.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

The deadline for the next issue of Packet Status Register (PSR), TAPR's
quarterly newsletter, is Thursday, April 24, so please get your submissions
to me as quick as a bunny!

73,

Stan, WA1LOU

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Tue Apr 29 21:36:36 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.16) with SMTP id VAA06455
for <lyris.digi-voice@tapr.org>; Tue, 29 Apr 2003 21:36:32 -0500 (CDT)
Message-ID: <LYR27637-130770-2003.04.29-22.25.52--lyris.digi-voice#tapr.org@lists.tapr.org>
Date: Tue, 29 Apr 2003 19:34:18 -0700 (PDT)
From: David McGinnis <n7mjw@yahoo.com>
Subject: [digi-voice] LPC-10 vocoder information
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <20030430023418.80582.qmail@web11402.mail.yahoo.com>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

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got to be a source of inexpensive (mass
produced)vocoder boards.

Any ideas?
David McGinnis
N7MJW

_____
Do you Yahoo!?
The New Yahoo! Search - Faster. Easier. Bingo
http://search.yahoo.com

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Tue Apr 29 22:48:19 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.16) with SMTP id WAA09252
for <lyris.digi-voice@tapr.org>; Tue, 29 Apr 2003 22:48:17 -0500 (CDT)
Message-ID: <LYR27637-130774-2003.04.29-23.39.22--lyris.digi-voice#tapr.org@lists.tapr.org>
From: "Steve Sampson" <k5okc@cox.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
References: <LYR27889-130770-2003.04.29-22.25.52--k5okc#cox.net@lists.tapr.org>
Subject: [digi-voice] Re: LPC-10 vocoder information
Date: Tue, 29 Apr 2003 22:54:36 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
X-Priority: 3
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1165
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <01e301c30ecc38082140cd01a8c0@wander.wan>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

You might take a look at:

http://www.hawksoft.com/hawkvoice/

Probably the most inexpensive vocoder board is going to be
an old PC and a sound card.

I also noticed that the QuickNet's ISA card is about $100,
but it won't do LPC-10, but it will do G.723.1 which is about
6 Kbps I believe. Not sure how useful that would be for Ham Radio,
but would definitely fit into a 9600 baud digital repeater link.

https://store1.quicknet.net/linuxedition/pci.htm

Best Regards,
Steve

----- Original Message -----

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You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Wed Apr 30 01:38:50 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.16) with SMTP id BAA15800
for <lyris.digi-voice@tapr.org>; Wed, 30 Apr 2003 01:38:49 -0500 (CDT)
From: "Nicolai Heilemann" <nicolai_oliver.heilemann@student.fh-reutlingen.de>

Sender: bounce-digi-voice-27637@lists.tapr.org
Reply-to: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Date: Wed, 30 Apr 2003 08:35:34 +0200
Subject: [digi-voice] Re: LPC vocoder information
Message-id: <LYR27637-130797-2003.04.30-02.28.17--lyris.digi-voice#tapr.org@lists.tapr.org>
X-User-Info: 212.224.51.89
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
X-Message-Id: <3eaf6eb3.4b03.0@MailServ.FH-Reutlingen.DE>
Precedence: bulk

Hi David,

Some LPC sources (C & Fortran) can be found @:

http://www.arl.wustl.edu/~jaf/lpc/

You might have to modify something to it, as I am not too sure about the real-time
abilities of
this stuff (I have used the codec only for simulation purposes), depends on
what you are planning to do.

Anyway, I agree with Steve, that you should consider using an ACELP codec rather
than LPC, if
you can get hands on one. G.723.1 or AMR ACELP is fine to be used with 9,6kBit/s
transmission,
when using eg. 4 speech frames/packet.

LPC-10 has no loss concealment but only some parity checks. So when doing a
transmission with a
lossy medium, the speech quality can be expected to be quite low. Hybrid codecs
can handle
losses much better on top of delivering a higher speech quality in loss-less
cases.

Much fun with your tests...

Best wishes

Nicolai, DL9TS

>You might take a look at:
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>http://www.hawksoft.com/hawkvoice/
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>Best Regards,
>Steve
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>> produced)vocoder boards.

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Wed Apr 30 02:54:36 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.16) with SMTP id CAA18322
for <lyris.digi-voice@tapr.org>; Wed, 30 Apr 2003 02:54:34 -0500 (CDT)
Message-Id: <LYR27637-130800-2003.04.30-03.45.51--lyris.digi-voice#tapr.org@lists.tapr.org>
X-Sender: vk3jed@192.168.15.1
Date: Wed, 30 Apr 2003 17:54:19 +1000
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "Tony Langdon, VK3JED" <vk3jed@optushome.com.au>
Subject: [digi-voice] Re: LPC-10 vocoder information
In-Reply-To: <LYR28892-130770-2003.04.29-22.25.52--vk3jed#optushome.com.
au@lists.tapr.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <5.1.1.6.0.20030430175307.01d6ec18@192.168.15.1>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

At 07:34 PM 29/04/2003 -0700, you wrote:

>I was wondering if anybody could point me in the right
>direction. I am looking for a LPC-10 vocoder, either
>in stand-along or on a windows/dos platform. I am
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>something considerably less than the $1000 price tag!
>Given the pluthra of digital gadgets around, there has
>got to be a source of inexpensive (mass
>produced)vocoder boards.

There's a software implementation in Speak Freely.

http://www.fourmilab.ch/speakfree/

It's open source (both Windows and Unix). The LPC-10 codec was only
implemented in the 32 bit version.

73 de Tony, VK3JED
http://vkradio.com

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Wed Apr 30 08:59:12 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.16) with SMTP id IAA29520
for <lyris.digi-voice@tapr.org>; Wed, 30 Apr 2003 08:59:07 -0500 (CDT)
Message-ID: <LYR27637-130836-2003.04.30-09.50.17--lyris.digi-voice#tapr.org@lists.tapr.org>
Date: Wed, 30 Apr 2003 06:58:49 -0700 (PDT)
From: David McGinnis <n7mjw@yahoo.com>
Subject: [digi-voice] Re: LPC vocoder information
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
In-Reply-To: <LYR28185-130797-2003.04.30-02.28.17--n7mjw#yahoo.com@lists.tapr.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <20030430135849.47775.qmail@web11404.mail.yahoo.com>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Thanks Steve, Tony and Nicolai.

I'm downloading the Hawk software now, will get the
speak freely when if Hawk doesnt do it for me.

I agree on LPC-10s limitations. Problem is I'm
dealing with several radios with imbedded LPC-10.
This project is to add the DV capability to another
radio. What I have is the 39 tone modem with a
digital voice setting (so it stripps the pilot tone),
but no vocoder. I was originally looking for a
hardware vocoder that did a simple audio to rs232, but
it seems when they are availalbe the are expensive. I
have a computer right there so a it will sufficie.

I think a long term solution would be to replace all
the imbedded vocoders with the AMBE2020s. I
understand they are relativly inexpensive and sound
good at 2400 bd hlf/dplx. That is a ways off,
however, and behind a few other projects on the list.

Dave

--- Nicolai Heilemann
<nicolai_oliver.heilemann@student.fh-reutlingen.de>
wrote:
>
> Hi David,
>
> Some LPC sources (C & Fortran) can be found @:
>
> http://www.arl.wustl.edu/~jaf/lpc/
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> You might have to modify something to it, as I am
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> abilities of
> this stuff (I have used the codec only for
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> what you are planning to do.
>
> Anyway, I agree with Steve, that you should consider
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> speech quality in loss-less
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>
> Much fun with your tests...
>
> Best wishes
>
> Nicolai, DL9TS
>
>
>
> >You might take a look at:
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> >Probably the most inexpensive vocoder board is
> going to be
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> >
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>
> ---
> You are currently subscribed to digi-voice as:
> n7mjw@yahoo.com
> To unsubscribe send a blank email to
> leave-digi-voice-27637B@lists.tapr.org
>

_____
Do you Yahoo!?
The New Yahoo! Search - Faster. Easier. Bingo.
http://search.yahoo.com

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

==========
MONTHLY ARCHIVE: digi-voice.0305
MONTH: 2003-05
SOURCE: http://ftp.tapr.org/tapr_history/SIG_Archives/digi-voice/digi-voice.0305
==========

From bounce-digi-voice-27637@lists.tapr.org Mon May 5 19:27:05 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.16) with SMTP id TAA09817
for <lyris.digi-voice@tapr.org>; Mon, 5 May 2003 19:27:01 -0500 (CDT)
User-Agent: Microsoft-Entourage/10.1.1.2418
Date: Mon, 05 May 2003 20:00:28 -0400
Subject: [digi-voice] Spring 2003 issue of Packet Status Register (PSR) now available
From: Stan Horzepa <stanzepa@earthlink.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Message-ID: <LYR27637-131531-2003.05.05-20.18.20--lyris.digi-voice#tapr.org@lists.tapr.org>
Mime-version: 1.0
Content-type: text/plain; charset="ISO-8859-1"
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <BADC735C.E88E%stanzepa@earthlink.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk
Content-Transfer-Encoding: 8bit
X-MIME-Autoconverted: from quoted-printable to 8bit by tapr.org id TAA09817

The Spring 2003 issue of Packet Status Register (PSR), TAPR¹s quarterly
newsletter is now available at the TAPR web site (www.tapr.org).

This issue of PSR has the following contents:

802.11b Used in Ham's Shuttle Recovery Efforts by Doug Kilgore, KD5OUG

A New Tactical Reporting Protocol by Scott Miller, N1VG

Announcing N2YGK's Linux aprsdigi Version 2.4.3 3 by Alan
Crosswell, N2YGK

APRS IP Mobile in a Non-Dynamic Wireless Environment or 802.11 APRS by
Darryl Smith, VK2TDS

Portable Tactical Digital Communications Using Off-the-Shelf Consumer
Components by Ed Carp, N7EKG

President's Corner: Dayton, Directors and the DCC by John Ackermann, N8UR

Real Networking: Is It the Key to Keeping & Reviving Packet? by Ron Sauer,
K9RKI

Revitalizing "Plain" Packet by Jim Wagner, KA7EHK

TAPR and ARRL 22nd Annual Digital Communications Conference

TAPR Membership by Darryl Smith, VK2TDS

TAPR Order Form

WA8WDQ Replaces K0PFX on TAPR Board

Welcome to Jeannie, The House That Listens by Don Marquardt, K9SOA

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Mon May 5 19:43:39 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.16) with SMTP id TAA10739
for <lyris.digi-voice@tapr.org>; Mon, 5 May 2003 19:43:35 -0500 (CDT)
Message-ID: <LYR27637-131542-2003.05.05-20.34.31--lyris.digi-voice#tapr.org@lists.tapr.org>
From: "Brian" <brian@standpipe.com>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
References: <LYR31631-131531-2003.05.05-20.18.20--brian#standpipe.com@lists.tapr.org>
Subject: [digi-voice] Re: Spring 2003 issue of Packet Status Register (PSR) now available
Date: Mon, 5 May 2003 17:40:02 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
X-Priority: 3
X-MSMail-Priority: Normal
X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2800.1106
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <02f901c31368$085dd700$6401a8c0@vnnyca.adelphia.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Where is the The Spring 2003 issue of Packet Status Register located on the
site?
----- Original Message -----
From: "Stan Horzepa" <stanzepa@earthlink.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sent: Monday, May 05, 2003 5:00 PM
Subject: [digi-voice] Spring 2003 issue of Packet Status Register (PSR) now
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APRS IP Mobile in a Non-Dynamic Wireless Environment or 802.11 APRS by
Darryl Smith, VK2TDS

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WA8WDQ Replaces K0PFX on TAPR Board

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You are currently subscribed to digi-voice as: brian@standpipe.com
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---
You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
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From bounce-digi-voice-27637@lists.tapr.org Mon May 5 19:52:39 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.16) with SMTP id TAA11318
for <lyris.digi-voice@tapr.org>; Mon, 5 May 2003 19:52:38 -0500 (CDT)
User-Agent: Microsoft-Entourage/10.1.1.2418
Date: Mon, 05 May 2003 20:50:33 -0400
Subject: [digi-voice] Re: Spring 2003 issue of Packet Status Register (PSR) now available
From: Stan Horzepa <stanzepa@earthlink.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Message-ID: <LYR27637-131548-2003.05.05-20.43.10--lyris.digi-voice#tapr.org@lists.tapr.org>
In-Reply-To: <LYR30845-131542-2003.05.05-20.34.31--stanzepa#earthlink.net@lists.tapr.org>
Mime-version: 1.0
Content-type: text/plain; charset="ISO-8859-1"
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <BADC7F19.E8F8%stanzepa@earthlink.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk
Content-Transfer-Encoding: 8bit
X-MIME-Autoconverted: from quoted-printable to 8bit by tapr.org id TAA11318

Go to www.tapr.org and click on the second link ("Spring 2003 PSR Online")
on the right.

On 5/5/03 20:40, "Brian" <brian@standpipe.com> wrote:

> Where is the The Spring 2003 issue of Packet Status Register located on the
> site?
> ----- Original Message -----
> From: "Stan Horzepa" <stanzepa@earthlink.net>
> To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
> Sent: Monday, May 05, 2003 5:00 PM
> Subject: [digi-voice] Spring 2003 issue of Packet Status Register (PSR) now
> available

>
>
> The Spring 2003 issue of Packet Status Register (PSR), TAPR¹s quarterly
> newsletter is now available at the TAPR web site (www.tapr.org).
>
> This issue of PSR has the following contents:
>
> 802.11b Used in Ham's Shuttle Recovery Efforts by Doug Kilgore, KD5OUG
>
> A New Tactical Reporting Protocol by Scott Miller, N1VG
>
> Announcing N2YGK's Linux aprsdigi Version 2.4.3 3 by Alan
> Crosswell, N2YGK
>
> APRS IP Mobile in a Non-Dynamic Wireless Environment or 802.11 APRS by
> Darryl Smith, VK2TDS
>
> Portable Tactical Digital Communications Using Off-the-Shelf Consumer
> Components by Ed Carp, N7EKG
>
> President's Corner: Dayton, Directors and the DCC by John Ackermann, N8UR
>
> Real Networking: Is It the Key to Keeping & Reviving Packet? by Ron Sauer,
> K9RKI
>
> Revitalizing "Plain" Packet by Jim Wagner, KA7EHK
>
> TAPR and ARRL 22nd Annual Digital Communications Conference
>
> TAPR Membership by Darryl Smith, VK2TDS
>
> TAPR Order Form
>
> WA8WDQ Replaces K0PFX on TAPR Board
>
> Welcome to Jeannie, The House That Listens by Don Marquardt, K9SOA
>
>
> ---
> You are currently subscribed to digi-voice as: brian@standpipe.com
> To unsubscribe send a blank email to leave-digi-voice-30845N@lists.tapr.org
>
>
> ---
> You are currently subscribed to digi-voice as: stanzepa@earthlink.net
> To unsubscribe send a blank email to leave-digi-voice-30845N@lists.tapr.org
>

You are currently subscribed to digi-voice as: lyris.digi-voice@tapr.org
To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Tue May 13 02:19:45 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.16) with SMTP id CAA17263
for <lyris.digi-voice@tapr.org>; Tue, 13 May 2003 02:19:45 -0500 (CDT)
Date: Tue, 13 May 2003 2:18:15
Subject: [digi-voice] IMBE at Dayton
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
From: "Larry Zanella" <zcopters@attbi.com>
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Sender: bounce-digi-voice-27637@lists.tapr.org
Message-Id: <LYR27637-132570-2003.05.13-03.10.48--lyris.digi-voice#tapr.org@lists.tapr.org>
Precedence: bulk

Looks interseting!

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To unsubscribe send a blank email to leave-digi-voice-27637B@lists.tapr.org

From bounce-digi-voice-27637@lists.tapr.org Tue May 20 20:14:31 2003
Received: from lists.tapr.org (lists.tapr.org [204.17.217.24])
by tapr.org (8.9.3/8.9.3/1.16) with SMTP id UAA26467
for <lyris.digi-voice@tapr.org>; Tue, 20 May 2003 20:14:28 -0500 (CDT)
User-Agent: Microsoft-Entourage/10.1.1.2418
Date: Tue, 20 May 2003 20:45:42 -0400
Subject: [digi-voice] Call for Papers
From: Stan Horzepa <stanzepa@earthlink.net>
To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
Message-ID: <LYR27637-133583-2003.05.20-21.06.08--lyris.digi-voice#tapr.org@lists.tapr.org>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit
List-Unsubscribe: <mailto:leave-digi-voice-27637B@lists.tapr.org>
List-Software: Lyris Server version 3.0
List-Subscribe: <mailto:subscribe-digi-voice@lists.tapr.org>
List-Owner: <mailto:owner-digi-voice@lists.tapr.org>
X-List-Host: Tucson Amateur Packet Radio <http://www.tapr.org>
Reply-To: "TAPR Digital Voice Mailing List" <digi-voice@lists.tapr.org>
X-Message-Id: <BAF04476.EF8A%stanzepa@earthlink.net>
Sender: bounce-digi-voice-27637@lists.tapr.org
Precedence: bulk

Technical papers are solicited for presentation at the 22nd Annual ARRL and
TAPR Digital Communications Conference to be held September 19-21, 2003 in
Hartford, Connecticut, and publication in the Conference Proceedings. Annual
conference proceedings are published by the ARRL. Presentation at the
conference is not required for publication. Submission of papers are due by
August 5th, 2003 and should be submitted to:

Maty Weinberg, ARRL
225 Main Street
Newington, CT 06111

or via the Internet to
maty@arrl.org

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